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Government  
Publications



DEPARTMENT OF FINANCE

# ROYAL CANADIAN MINT

Report  
For Calendar Year  
1953



EDMOND CLOUTIER, C.M.G., O.A., D.S.P.  
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY  
OTTAWA, 1954







CANADA

DEPARTMENT OF FINANCE

# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT

For Calendar Year  
1953

Published by Authority of Hon. D. C. Abbott, M.P.  
Minister of Finance





# ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
OTTAWA 4, Ontario.

SIR:

I have the honour to submit the following report on the operations of the Royal Canadian Mint during the calendar year 1953.

## ADMINISTRATIVE AND MINT OFFICE

*Chief Administrative Officer*—A. P. WILLIAMS

### COINAGE

There was an increase of 9,409,013 in the number of coins issued during 1953 as compared with the previous year. A detailed statement of the issues by denomination for the years 1952 and 1953 is set out below:

Denomination	Coin Issued in						
	1952 Total	1953					1953
		Dated 1949	Dated 1950	Dated 1951	Dated 1952	Dated 1953	Total
	\$	\$	\$	\$	\$	\$	\$
SILVER COIN—							
1 dollar.....	402,344.00	177.00	19.00	880.00	1,103.00	1,060,549.00	1,062,728.00
50 cents.....	1,140,158.50	25.50	80.00	375.00	167,706.50	739,833.50	908,020.50
25 cents.....	2,225,737.00	35.50	46.00	190.00	18,972.25	2,442,921.75	2,462,165.50
10 cents.....	1,101,312.90	0.30	20.40	88.20	11,085.80	1,694,577.00	1,705,771.70
Total Silver.....	4,869,552.40	238.30	165.40	1,533.20	198,867.55	5,937,881.25	6,138,685.70
NICKEL COIN—							
5 cents.....	597.80	0.15	4.55	229.05			233.75
STEEL COIN—							
5 cents.....	576,965.00			58.85	211.60	831,644.30	831,914.75
BRONZE COIN—							
1 cent.....	683,820.86			9.54	21,937.12	633,183.09	655,129.75
Total.....	6,130,936.06	238.45	169.95	1,830.64	221,016.27	7,402,708.64	7,625,963.95
Number of Pieces							
Representing.....		376	658	9,984	2,721,207	109,208,868	
TOTAL.....	102,532,080						111,941,093

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Steel	Bronze
	Dollar	50 Cents	25 Cents	10 Cents	5 Cents	5 Cents	1 Cent
	\$	\$	\$	\$	\$	\$	\$
Calgary.....	57,300.00	49,200.00	236,000.00	111,000.00	.....	83,200.00	66,360.00
Halifax.....	48,300.00	65,200.00	126,000.00	70,000.00	.....	35,200.00	27,780.00
Montreal.....	225,500.00	43,800.00	280,000.00	67,000.00	.....	86,400.00	179,400.00
Ottawa.....	43,300.00	26,200.00	223,000.00	335,000.00	180.00	88,876.50	11,020.00
Ottawa for Charlottetown.....		500.00	.....	.....	.....	500.00	2,480.00
Ottawa for St. John's, Nfld.....	4,000.00	39,000.00	40,000.00	45,000.00	.....	17,100.00	26,700.00
Regina.....	27,300.00	42,200.00	251,000.00	144,000.00	.....	64,600.00	53,580.00
Saint John, N.B.....	19,300.00	28,200.00	115,000.00	41,000.00	.....	12,700.00	4,980.00
Toronto.....	453,813.00	442,031.00	965,000.00	710,061.00	.....	359,246.00	205,193.00
Vancouver.....	75,600.00	158,400.00	64,000.00	121,000.00	.....	46,000.00	39,360.00
Winnipeg.....	85,600.00	5,400.00	158,000.00	60,000.00	.....	37,000.00	37,680.00
Sundry Persons.....	22,715.00	7,889.50	4,165.50	1,710.70	53.75	1,092.25	596.75
Total.....	1,062,728.00	908,020.50	2,462,165.50	1,705,771.70	233.75	831,914.75	655,129.75

#### Worn and mutilated coin withdrawn from circulation:

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	52,388.50	6,086,297.20
Nickel Coin—5 cents (mutilated only).....	1,550.60	.....
Tombac Coin—5 cents.....	14,035.00	.....
Steel Coin—5 cents.....	552.90	831,361.85
Bronze Coin.....	1,540.01	653,589.74

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	Ounces Fine
7,955 Trade Bars transferred to Exchange Fund Account of Minister of Finance and held in safe-keeping by Bank of Canada.....	3,186,621.746
Depositors—granulated and bars.....	407,571.725
Sales of fine gold.....	31,431.932
Proof Plate for assay purposes.....	4.000
Medals etc.....	7.952
Sweep.....	859.383
	<u>3,626,496.738</u>

This total shows a decrease of 404,566.577 ounces fine as compared with the year 1952.



## GOLD BULLION

Five thousand five hundred and forty two deposits of gold bullion were received at the Mint during the year from Canadian Mining Companies, the Assay Office, Royal Canadian Mint, Vancouver, B.C. and Sundry Persons. The gross weight of the deposits amounted to 4,642,410 ounces containing by assay 3,684,074 ounces fine gold and 576,430 ounces fine silver. (Note: The variation between these figures and those set out in the table of origin below is due to shipments from the Assay Office, Vancouver, being received at the Royal Canadian Mint, Ottawa, the month following deposit and payment at Vancouver). The receipts show a decrease as compared with the year 1952 of 60 in the number of deposits, gross weight 339,561 ounces, gold content 269,084 ounces and fine silver 49,171 ounces.

The net value paid to depositors was \$109,681,805.28. In addition the amount of fine gold issued to depositors was 407,572 ounces.

Details of the origin of the bullion deposited at Vancouver and Ottawa during the year 1953 are shown in the following table:—

From Canadian Mines and Refineries	Gross Weight	Fine Gold	Fine Silver
	Ounces	Ounces	Ounces
Ontario.....	2,301,810.804	1,861,425.895	288,613.53
Quebec.....	1,047,883.689	785,423.544	166,584.17
British Columbia.....	215,291.580	170,096.255	27,579.81
Manitoba.....	115,261.701	107,088.094	10,720.32
Yukon Territory.....	82,670.010	66,080.458	13,462.81
Nova Scotia.....	18.400	17.139	.29
North West Territories.....	407,985.800	295,512.152	66,117.23
Alberta and Saskatchewan.....	85.365	65.440	5.77
Total from Canadian Mines and Refineries.....	4,171,007.349	3,285,708.977	573,083.93
From Jewellery and Scrap.....	40,422.020	25,000.736	2,525.14
GRAND TOTAL.....	4,211,429.369	3,310,709.713	575,609.07

## Designated Gold

During the year nineteen mines had gold bullion in Mint Storage under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for Custom Refining and Storing. At the end of 1953 the number had declined to ten mines.

The fine gold content of the bullion deposited under this heading during 1953 amounted to 367,621.058 ounces. Fine bullion amounting to 390,647.640 ounces was issued on behalf of the mines to various processors for export and domestic use.

## COINING AND MEDAL DIVISION

*Chief—R. J. EDMUNDS*

The most interesting event in connection with Canadian coinage in 1953 was the coronation of Queen Elizabeth II. Coins were struck for the first time bearing the Royal Effigy of Her Majesty Queen Elizabeth on the obverse, in all denominations from 1 cent to 1 dollar, with the inscription adopted by Canada "Elizabeth II Dei Gratia Regina". (see Plate I) No changes were made in the reverse designs of Canadian coinage.

The long period of exceptional demand for coin, over 100 million pieces per year, (see Appendix B), has kept the machinery and staff fully employed. Two and three shifts, and overtime, were resorted to in all branches of the Coining Division. Every effort was made to accumulate a reserve of coinage bars, blanks and coins to tide over the time of anticipated shut-down during the last few months of the year in consequence of the major plant and equipment expansion programme. By the end of August there was a stock ahead of 76,000,000 good blanks and coins.

In addition to coinage work there were over 3,000,000 Coronation Commemorative Medallions struck for the school children of Canada. (see Plate II)

The following table shows in detail the numbers of good coins passed for issue in 1952 and 1953:—

CANADA	1952	1953
	Pieces	Pieces
SILVER, 800 FINE—		
1 dollar (1952 figure includes 5,000 coins dated 1951)....	411,148	1,074,578
50 cents (1952 figure includes 720 coins dated 1951).....	2,597,185	1,630,429
25 cents (1952 figure includes 5,120 coins dated 1951).....	8,864,762	10,456,769
10 cents.....	10,474,455	17,706,395
STEEL—		
5 cents.....	10,891,148	16,635,552
BRONZE—		
1 cent.....	67,631,736	67,806,016
	100,870,434	115,309,739

NOTE:—The above represents coins “passed for issue” and not actual issue which is shown on page 1.

Details of the weights of silver bullion, copper and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coins produced are summarized below:—

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
	Ounces	Ounces	Ounces	Ounces
SILVER (800 fine)—				
1 dollar.....	1,868,970.90	1,825,433.00	1,044,305.84	806,270.91
50 cents.....	1,740,131.50	1,515,895.40	969,370.03	609,254.94
25 cents.....	3,609,294.80	3,888,291.90	2,462,647.69	1,953,341.63
10 cents.....	2,205,550.50	2,446,126.50	1,543,157.19	1,324,564.91
TOTAL SILVER..	9,423,947.70	9,675,746.80	6,019,480.75	4,693,432.39
	Pounds	Pounds	Pounds	Pounds
STEEL—				
5 cents.....			151,953.31	160,077.96
BRONZE—				
1 cent.....	544,097.53	674,448.70	447,944.00	484,738.05
	Short Tons	Short Tons	Short Tons	Short Tons
	595.1	669.0	506.3	483.3



## Melting House

In addition to the 595.1 tons of coinage bars produced during the year, there were 42,755 ounces of worn and mutilated Canadian silver coins, which had been withdrawn from circulation, cast into 1,000 ounces ingots for assaying and conversion to 800 standard coinage bars; 1,339 pounds worn bronze coin melted into one-cent coinage bars; and 2,791 pounds tombac five-cent worn coins converted into one-cent bars. Two thousand and thirty eight pounds of tin and 2,014 pounds of zinc ingots were melted and cast into convenient slabs for one-cent alloy.

Four thousand, seven hundred and five ounces of 800 silver bars,  $\frac{3}{4}$ " thick, were melted with phosphor bronze as an experiment for Korea medals.

## Rolling Room

Additional work performed in the Rolling Room over and above the 669 tons of coinage bars brought to gauge for all denominations of coins except the five-cents, consisted of:—

1. 5,179 ounces of fine silver bars for  $2\frac{1}{2}$ , 10 and 26 grain discs; 325 ounces copper for 1 grain discs; 93 ounces gold proof plate, and 1,500 pounds lead for lead discs; all for the Assay Division.
2. 300 ounces of fine silver cathodes for the Refinery.
3. 200 pounds tombac metal for the Governor General's Medals.
4. Bronze bars, amounting to 276,741 pounds were rolled to gauge of .90" for the school children's Coronation Commemorative Medallions.

## Cutting Room

The second 20 ton power punch press was installed this year to cut blanks for all denominations of coins and medals. With a speed of 250 strokes per minute and equipped with the new die sets of six cutters it is capable of stamping out 1,500 ten-cent or one-cent blanks per minute. This is more than twice the speed of production attained by any other cutting press, and will greatly assist in coping with the increased output of gauged fillets expected when the new automatic rolling mills are in operation.

Additional work consisted of cutting 133,838 pounds school children's medallions, and the silver discs, copper and lead blanks gauged in the Rolling Room for the Assay Office.

## Annealing Room

The capacity of the Annealing Room was greatly increased and much manual handling of annealed blanks was eliminated by the installation of the most modern equipment available for the surface treatment of metals. Either silver or bronze blanks are automatically pickled, burnished, rinsed and dried at over 1,000 pounds per hour.

At this rate of output it is calculated that the production of annealed blanks will readily keep pace with the increased acceleration of all processes under the present plan to augment the over-all capacity of the Coining Division from the initial to the final stages.

## Press Room

The number of dies used in the striking of coins of all denominations, and the average production of coins for each pair of dies for 1952 and 1953 are shown in the comparative tables below:

Denomination	1952				1953			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	417,961	82	58	5,971	1,074,578	166	82	8,666
50 cents.....	2,606,896	93	66	32,999	1,630,429	86	65	21,595
25 cents.....	8,941,815	223	377	29,806	10,456,769	274	223	42,079
10 cents.....	10,906,655	345	256	36,356	17,706,395	451	309	46,596
5 cents.....	10,921,047	105	108	103,029	16,635,552	227	161	85,750
1 cent.....	68,117,890	170	140	439,470	67,806,016	232	163	343,322
	101,912,264	1,018	1,005		115,309,739	1,436	1,003	
	Average per pair of dies.....100,704				Average per pair of dies.....94,555			

## Die and Medal Branch

The Die Department prepared 2,685 matrices, punches and dies during 1953 for coinage and medal work, compared to 2,154 in 1952.

New Dies made in 1953 were as follows:

### For Coins

Obverse and reverse punches and dies for all denominations to improve the designs and overcome difficulties in striking.

The first dies made with the Queen Elizabeth effigy were slightly higher in relief than the 1952 dies of King George VI, and small technical imperfections appeared in the reduction punch that were not apparent in the large plaster model. The coins struck from these dies therefore suffered materially in reproduction, and gave rise to great difficulties from the mechanical point of view. Not until the Mint engraver lowered the relief to  $\frac{3}{4}$ , and strengthened the weaker parts of the design by hand on the intermediate steel reduction, to arrive at the literal interpretation of the artist's model on the reduced size of the striking or working dies, was it possible to produce well executed coins.

Dies for 25¢ coins were increased in diameter from .912" to .923" to allow for the wider "flat" on the 25¢ coin, and to increase the diameter of the finished coin from .930" to .940". Greater die life has resulted from the improved flat or rim at the edge, and from the lowered relief on the obverse, and a much better looking coin is being turned out.

### For Medals

The Mint engraver modelled the reverse design for the school children's Coronation Commemorative Medal. From the plaster model,  $6\frac{1}{2}$ " diameter, an electrotype of copper, chromium plated, was made in relief. The master punch was cut  $1\frac{5}{16}$ " diameter on the reducing machine from the electrotype.

The design on reverse shows Her Majesty's Royal Cypher, E II R, surmounted by St. Edward's Crown, with the word "CANADA" below, and surrounded by the inscription in Latin "ELIZABETH II REGINA CORONATA MCMLIII" (Elizabeth II crowned Queen 1953).



The obverse bears the crowned and robed portrait of Queen Elizabeth II looking to the observer's right. Dies were prepared here from a working punch supplied by the Royal Mint, London. The design was modelled by Mr. G. H. Paulin of London, England, and was selected by the Coronation Committee of Canada from a number of designs submitted as the most suitable for the school children's medallions.

A new obverse punch and dies for the Royal Canadian Mounted Police Long Service and Good Conduct medal, bearing the uncrowned effigy of Her Majesty Queen Elizabeth II were made from the same design and inscription as for the Canadian coinage, except in high relief.

#### *For Signatures*

A master punch was engraved by hand for the preparation of the facsimile of the signature of Mr. K. W. Taylor, Deputy Minister of Finance. From this the matrix was sunk and fifteen steel signature plates were reproduced.

At the request of the Bank of Canada 90 steel engraved dies of the signature of Mr. G. F. Towers; 10 of Mr. J. E. Coyne, and 12 of the signature of Mr. M. G. Anderson, were struck from the original matrices made at the Mint and now held at the Bank of Canada.

#### **Medals**

Three hundred and eighty Royal Canadian Mounted Police Long Service and Good Conduct Medals were struck in 800 silver mounted with clasp, and engraved with the name of the recipient.

The obverse design had the new uncrowned effigy of Her Majesty, and the inscription ELIZABETH II DEI GRATIA REGINA.

Three hundred and twenty-two Governor General's Medals,  $2\frac{1}{16}$ " diameter, were struck on behalf of His Excellency the Right Honourable Vincent Massey C.H. There were 233 in toned bronze, 78 sterling silver, and 11 gold (silver gilt) medals. (See Plate III)

Forty-four gold (silver gilt) crests and 72 sterling silver crests were struck,  $\frac{1}{2}$ " size, for the Governor General.

For the Royal Society of Canada, four medals were struck in 14 carat, 18 carat and in fine gold.

For the Engineering Institute of Canada, four medals were struck in 10 carat gold, and three in tombac.

For the Professional Institute of the Public Service of Canada, one medal, 14 carat gold, was engraved with the name of the recipient.

One Webster Memorial Trophy Medal for Good Airmanship was struck in bronze and forwarded to the Director of Services, Department of Transport.

Two Mint Long Service Silver Medals were engraved with the names of those members of the Mint staff who became eligible in 1953 for this award after forty years of service.

#### **Seals**

A small seal, 1" diameter, was made for the Assay Office, Vancouver, to be used for wax impressions.

A steel punch,  $13\frac{1}{16}$ " diameter, was also cut for the Assay Office, Vancouver, to be used for imprinting on gold bars at that office.

### **PLANT AND EQUIPMENT**

The erection of the additional premises on the south side of the main building has been completed. Steady progress is being made in the structural alterations necessary in the Rolling Room and Melting Branch to accommodate the heavy automatic rolling mill equipment of the most modern construction and for the additional high frequency induction melting furnaces of the tilter type.

Upon the completion of the new extension to the main building, seven coining presses were moved into their permanent position in the new coining Press Room, together with one new press received from England. Four more high speed presses are on order, which will, with the existing eight presses, increase the output sufficiently to meet the urgent need of the coinage without recourse to extra shifts and overtime.

In addition to the many maintenance repairs, machine-replacements, and the tooling of a great number of intricate parts to keep all departments of the Mint operating at a high state of efficiency, the Mechanical Branch was responsible for the assembly, erection and proper installation of a great part of the new machinery purchased with the view of improving the processes of coining and melting.

The work of dismantling, moving and setting up, in whatever space was available of the Melting House equipment, rolling mills and cutting machines, was carried out in order to allow the necessary structural alterations to be proceeded with for the installation of new equipment.

The Machine Shop equipment was dismantled in its entirety; tools, machines and offices were all transferred to their permanent location on the upper floor of the new extension. With the die-turning lathes and all Work Shop equipment housed in a large and well lighted room, the machines laid out to deal expeditiously with any job they may be called upon to perform, this Shop may be considered to be a model of what, having regard to size, a modern Machine Shop should be.

The mechanical and electrical staff worked together on the installation of the following new machines:

- Modern Lathe for coinage dies, with thymotrol electronic drive;
- Vertical Drill, eight speed, geared head with individual motor drive;
- 1,000 ton Hydraulic Upstroking Press, driven by 200 H.P. motor;
- 20 ton Power Punch Press with 5 H.P. motor;
- Coining Press No. 581, driven by 5 H.P. motor
- Combined automatic blanching, washing, burnishing, rinsing and drying machine with  $\frac{1}{2}$  H.P.; 3 H.P.;  $1\frac{1}{2}$  H.P. and 5 H.P. motors.

The Mint Engraver and his staff were moved to their new quarters. The engraving offices, heat-treat furnaces, Janvier reducing machine and other equipment pertaining to the engraving and preparation of coining and medal dies are now accommodated in more congenial surroundings, with good lighting, and in rooms more conveniently situated one with the other.

A refrigeration unit for controlling the temperature of the water in the quenching tank used for the hardening of dies and other tools was installed as an integral part of that equipment.

A 1,000 ton hydraulic press for hobbing dies, and striking large medals was added to the equipment in the Die Room.

Work performed for the Refinery consisted of repairing fine gold tilting furnace, machining fine gold moulds for 400 ounce bars, making tongs and general maintenance required.

There was abnormal activity and much extra work for the Superintendent and his staff in the Electrical Branch due to the increase in tempo of the re-building programme.

All the coining presses fitted with alternating current wound-rotor variable speed motor drives were changed over from direct current drive. The new arrangement gives greater speed to the presses, higher efficiency and lower maintenance costs.







PLATE I





PLATE II



PLATE III





The heat treatment of dies, tools, cutters, punches, collars, etc. have now been consolidated into one department, and all the electric panel controls, recording instruments, and electric equipment have been put into service in the basement of the new building.

No major electrical breakdowns occurred during the year, and the interruptions caused by the moving of apparatus and machines were kept to an absolute minimum.

As the new coinage and melting equipment will add up to 1,500 H.P. to the Mint load when the reorganization is completed, great consideration had to be given to power supply. The Ottawa Hydro are making changes outside the Mint premises to increase their line capacity from 4,000 volts to 11,000 volts. This will eliminate the existing direct current power equipment and make provision for alternating current drives on new installations and on any equipment that is being retained. These changes will also necessitate the rearrangement of the distribution equipment within the Mint, such as transformers and cable feeders. A scheme has been developed, plans drawn and work commenced on this phase of the expansion programme.

## ASSAY DIVISION

Chief—W. A. HAWKEY

The number of assays made in the department from January 1 to December 31, 1953, was as follows:

GOLD—		
Refinages.....	5,582	
Rough Gold.....	31,620	
Proofs.....	3,149	
Parting Proofs.....	832	
Parting Buttons.....	11,108	
Miscellaneous.....	1,709	
		54,000
SILVER—		
Standard Bars.....	10,257	
Pyx.....	2,884	
Proofs.....	753	
Fine Silver.....	1,308	
Worn Coin.....	135	
Miscellaneous.....	88	
		15,425
MISCELLANEOUS—		
For The Marking Act Inspector.....	5	
Mint Residues (sweeps, etc.).....	640	
		645
TOTAL.....		70,070

The mean finenesses of the Silver Coinage struck in 1953 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	799.98
50 cents.....	800.00	799.42
25 cents.....	800.00	799.35
10 cents.....	800.00	799.45

During the year ended December 31, 1953, 5,542 deposits were received at the Mint. The gross weight of this bullion was 4,619,003.142 ounces and comprised the following:

**FINE GOLD—**

227 deposits weighting 405,717.038 ounces with a mean fineness of 997.373

**CRUDE BULLION—**

4,843 deposits, weighting 4,052,602.654 ounces with an average fineness of 772.528 gold, 147.470 silver and containing 8.0002% base metal.

**SCRAP (Jewellery and Dental)—**

224 deposits weighting 38,936.810 ounces at an average fineness of 626.629 gold and 70.194 silver.

**FROM VANCOUVER ASSAY OFFICE—**

228 ingots, 121,746.640 ounces gross at 828.707 gold and 149.433 silver.

Two working trial plates, one each of gold and silver, were made and fixed against our standards.

Four ounces of gold proof and three ounces of the silver were sold.

Small quantities of both gold and silver were specially cast or otherwise prepared for the Research Council.

Twelve suspected coins of various denominations were received from the Royal Canadian Mounted Police for examination. Of these, only one, a fifty-cent piece, was found to be spurious.

Fifty-three medals and crests were electroplated for the Coining and Medal Division.

## REFINERY DIVISION

Chief—C. J. MORRIS

The following table gives a summary of the work done in 1953:

Source	Number of Deposits	Fine Gold Ounces	Fine Silver Ounces
Mines.....	4,453	3,191,161.323	557,111.16
Vancouver Assay Office.....	228	100,892.318	16,975.50
Miscellaneous.....	244	24,398.938	2,343.75
Designated.....	617	344,241.135	

Refined and Delivered	Number	Gross Weight	Fine Weight	Average Assay
Fine Gold Bars.....	7,774	3,123,089.750	3,114,109.016	997.1
Granulated Gold.....		36,989.838	36,982.124	999.8
Fine Silver Bars.....	510	579,051.73	578,910.58	999.8
Gold Medals.....			30.693	
Silver Medals.....			6.18	
Special Gold Bars.....	25	9,461.541	9,436.938	997.4
Miscellaneous Fine Silver.....			1,976.58	
Designated Gold Bars.....	727	291,642.748	290,825.813	997.2
Designated Granulated Gold.....		23,231.481	23,219.391	999.5

Special Processes	Number	Ounces Troy
Remelts.....	341	273,212.845
Toughenings.....	10	3,757.550
		Pounds
Chloride Reduction.....		77,676.0
Sweeps.....		121,853.5

## ASSAY OFFICE, VANCOUVER, B.C.

*Manager—K. C. WEST*

Disbursements for the purchase of gold bullion amounted to \$3,274,129.18.

The following table gives particulars as to the source, weights, etc. of the deposits:

Source	Number of Deposits	Gross Weight	Fine Gold	Fine Silver
		Ounces	Ounces	Ounces
Yukon Territory.....	238	82,670.01	66,080.458	13,462.81
British Columbia.....	193	32,374.28	28,420.221	2,505.81
Alberta.....	10	61.24	46.975	4.15
Saskatchewan.....	0			
North West Territories.....	0			
Jewellery and Dental Scrap.....	66	1,485.21	601.798	181.39
	507	116,590.74	95,149.452	16,154.16

## COMPARATIVE STATEMENTS

(1) Totals for Each Year under above headings, 1945 to 1953 inclusive

1945.....	499	61,113.31	48,131.200	8,923.70
1946.....	603	85,071.57	67,325.255	12,923.84
1947.....	578	76,041.64	59,739.223	11,595.18
1948.....	621	110,223.80	88,267.384	15,725.07
1949.....	708	135,157.31	107,522.943	20,564.73
1950.....	777	161,652.46	130,023.960	23,400.03
1951.....	636	146,631.06	119,061.818	20,800.85
1952.....	549	135,120.12	110,609.496	19,354.15
1953.....*	507	116,590.74	95,149.452	16,154.16

(2) Totals for Each Year, 1945 to 1953 inclusive, disbursed for Gold Bullion Purchases.

1945.....	\$1,835,799.67
1946.....	2,406,170.90
1947.....	2,081,867.67
1948.....	3,077,555.15
1949.....	3,903,665.49
1950.....	4,922,946.70
1951.....	4,385,194.32
1952.....	3,742,509.52
1953.....	3,274,129.18



## GENERAL

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by officers of the Auditor General's Department in March.

The Assay Commissioners, Dr. W. G. Henry of the Division of Applied Chemistry, National Research Council, Dr. W. Michel of the Division of Physics, National Research Council and Mr. W. R. Inman of the Mines Branch, Department of Mines and Technical Surveys, appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the Currency of Canada struck at the Royal Canadian Mint during 1952 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge A. G. McDougall, on the 5th day of May, 1953.

The findings of the Commissioners indicated that the coins, both as to weight and fineness, conformed with the standards established by the Currency Act.

Five thousand, five hundred and forty visitors were admitted to view the coining operations of the Mint during the year.

The small number of visitors for the year 1953 as compared with previous years was due to the necessity of closing the Mint to the general public during construction operations.

The number on the staff as at 31st December, 1953 was 213. Of this number 28 were employed in the Administrative and Mint Office, 127 in the Coining and Medal Division, 16 in the Assay Division, 33 in the Refinery and 9 in the Assay Office at Vancouver.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, net circulation of coin in Canada and financial statements for the calendar year 1953 are appended herewith.

I am, Sir,

Your obedient Servant,

W. C. RONSON,  
*Master, Royal Canadian Mint.*

## APPENDIX A

Summary of Transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931 to December 31, 1953.

YEAR	GOLD RECEIVED		GOLD ISSUED	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1943.....	93,609,820.147	75,574,128.534	383,319.096	75,133,489.938
1944.....	3,537,734.636	2,862,048.659	.....	2,829,755.000
1945.....	3,102,991.020	2,503,416.913	.....	2,499,163.674
1946.....	3,271,246.445	2,652,244.865	.....	2,665,964.763
1947.....	3,559,496.703	2,868,469.014	.....	2,859,084.218
1948.....	4,252,389.454	3,401,991.441	.....	3,405,073.335
1949.....	4,941,749.248	3,925,617.709	.....	3,865,296.377
1950.....	5,485,956.751	4,422,968.129	.....	4,347,961.898
1951.....	5,246,758.942	4,169,479.513	.....	4,167,485.874
1952.....	4,848,048.381	3,953,158.154	.....	4,031,068.071
1953.....	4,642,410.478	3,684,073.637	.....	3,626,496.738
	136,498,602.205	110,017,596.568	383,319.096	109,430,839.886





# APPENDIX C

## CIRCULATION OF CANADIAN COIN AS AT 31ST DECEMBER, 1953

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905	10,487,774	.....	.....	.....	701,429	11,279,203	1.85
1910	14,327,662	.....	.....	.....	967,353	15,295,015	2.03
1915	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925	27,713,019 (1)	.....	.....	.....	2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1931	28,706,348	1,775,139	.....	.....	2,346,054	32,827,541	3.16
1932	28,853,740	1,939,923	.....	.....	2,558,962	33,352,625	3.17
1933	28,530,340	2,064,054	.....	.....	2,678,302	33,272,696	3.13
1934	28,702,640	2,256,268	.....	.....	2,745,296	33,704,204	3.14
1935	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1936	28,442,074	2,650,891	.....	.....	2,904,288	33,997,253	3.10
1937	29,387,857	2,899,361	.....	.....	3,003,286	35,290,504	3.20
1938	30,482,924	3,051,594	.....	.....	3,091,873	36,626,391	3.28
1939	32,236,145	3,355,906	.....	.....	3,276,771	38,868,822	3.45
1940	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1941	40,339,221	4,467,463	.....	.....	4,648,567	49,455,251	4.30
1942	44,011,038	4,827,596	169,424	.....	5,422,131	54,430,189	4.67
1943	51,009,046	4,826,033	1,407,424	.....	6,300,627	63,543,130	5.39
1944	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66

(1) Decrease due to withdrawal of worn and mutilated silver coins from circulation.

## APPENDIX D

## ROYAL CANADIAN MINT

## COINAGE AND BULLION OPERATIONS, 1953

## GOLD BULLION

	Fine Ounces	Value
Gold on hand, December 31, 1952 (value at \$33·65311295).....	188,088·553	\$ 6,329,765·32
Gold purchased at various rates.....	3,316,452·579	114,108,941·79
Gain in operations (net).....	482·692	16,315·33
Adjustments in valuation of gold.....		138,541·72
	3,505,023·824	\$ 120,593,564·16
Less: Gold sold at various rates.....	3,235,849·098	111,382,807·71
Balance on hand (exclusive of Assay Office) at December 31, 1953 (value at \$34·21850404).....	269,174·726	\$ 9,210,756·45

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1952.....		\$ 117,982·24
Bullion purchased.....		482,393·65
Treatment charges—sweep.....		9,060·35
		\$ 609,436·24
Less: Bullion transferred to silver coinage account.....	\$ 468,018·27	
Bullion sold.....	466·64	
Net loss on operations.....	2,152·86	470,637·77
Balance, December 31, 1953.....		\$ 138,798·47

## SILVER COINAGE ACCOUNT

Balance, December 31, 1952.....		\$ 2,500,919·45
Bullion and alloy purchased or transferred.....		3,950,066·54
Worn coin purchased (withdrawn for recoinage).....		55,789·39
Net gain on coinage credited to Consolidated Revenue Fund.....		3,030,760·45
		\$ 9,537,535·83
Less: Coin sold.....	\$ 6,138,685·70	
Worn coin returned to Bank of Canada.....	128·00	6,138,813·70
Balance, December 31, 1953.....		\$ 3,398,723·13

## NICKEL COINAGE ACCOUNT

	VALUE	VALUE
Balance, December 31, 1952.....		\$ 9,916·14
Mutilated coin purchased.....		1,320·27
		\$ 11,236·41
Less: Coin sold.....		233·75
Balance, December 31, 1953.....		\$ 11,002·66

APPENDIX D—*Concluded*

## BRONZE COINAGE ACCOUNT

	VALUE	VALUE
Balance, December 31, 1952.....		\$ 187,066.42
Metal purchased.....		186,864.50
Worn coin purchased (withdrawn for recoinage).....		15,405.98
Toll charges on copper residue.....		1,118.47
Net gain on coinage credited to Consolidated Revenue Fund.....		506,803.02
		<hr/>
		\$ 897,258.39
Less: Coin sold.....	\$ 655,129.75	
Alloy sold or transferred.....	18,422.00	
Refund on copper purchased.....	112.15	
Medals sold.....	40,522.11	
	<hr/>	<hr/>
		714,186.01
Balance, December 31, 1953.....		<hr/>
		\$ 183,072.38

## STEEL COINAGE ACCOUNT

Balance, December 31, 1952.....		\$ 37,617.57
Mutilated coin and metal purchased.....		88,583.29
Net gain on coinage credited to Consolidated Revenue Fund.....		716,260.61
		<hr/>
		\$ 842,461.47
Less: Coin sold.....	\$ 831,914.75	
Metal sold.....	613.68	
	<hr/>	<hr/>
		832,528.43
Balance, December 31, 1953.....		<hr/>
		\$ 9,933.04



## APPENDIX E

### FINANCIAL STATEMENT

#### STATEMENT OF INCOME AND EXPENDITURES FOR THE YEAR ENDED 31 DECEMBER, 1953

## INCOME:

*Gold*

Refining and Assaying charges.....	\$163,647.16	
Handling charges.....	665,093.26	
Gain on Stock-taking.....	17,476.17	
Gold Storage and Packing charges.....	50,339.67	
	<hr/>	\$896,556.26

*Coinage*

## Net Gain on:

Silver Bullion—Coinage and Medals.....	3,028,607.59	
Bronze Coinage.....	506,803.02	
Nickel Coinage.....	.....	
Steel Coinage.....	716,260.61	
	<hr/>	4,251,671.22
Charges—manufacturing Medallions.....		46,411.27
Proceeds from Sales—coin cases, etc.....		1,450.53
		<hr/>
		\$5,196,089.28

## EXPENDITURES:

Salaries.....	\$ 836,976.32
Travelling Expenses.....	2,876.96
Express on Coin Shipments.....	68,885.93
Freight, Express and Cartage.....	1,658.16
Postage.....	208.81
Telephones and Telegrams.....	599.45
Printing of Annual Report.....	305.43
Office Stationery, Supplies and Equipment.....	5,358.97
Supplies—Coinage and Medal work.....	46,635.74
Refining and Assaying.....	38,743.50
Acquisition of Equipment.....	349,946.28
Repairs and Upkeep of Equipment.....	15,879.16
Power, Light and Gas.....	22,285.03
Sundries, including Contingent Reserves.....	4,409.95
	<hr/>
Total Expenditures.....	\$1,394,769.69

Excess of income over expenditures in the year ended December 31, 1953.. \$3,801,319.59

NOTE:—The total shown for income does not reflect the value of services rendered free of charges to other departments, nor does the total shown for expenditures reflect any charges for premises owned by the Government and occupied by the Mint or for certain accounting and miscellaneous services provided by other departments.

Government  
Publication





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Canada, Royal Canadian Mint

Government  
Publications



DEPARTMENT OF FINANCE

# ROYAL CANADIAN MINT

Report  
For Calendar Year  
1954



EDMOND CLOUTIER, C.M.G., O.A., D.S.P.  
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY  
OTTAWA, 1955





DEPARTMENT OF FINANCE



# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT

For Calendar Year  
1954

Published by Authority of Hon. W. E. Harris, M.P.  
Minister of Finance





## ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
Ottawa.

SIR:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1954.

### COINAGE

Since 1936 there has been a spectacular rise in the demand for Canadian coinage with the value of coins in circulation rising from about \$34 million to over \$115 million by the end of 1954. During 1954, however, there was a slackening in the demand for coins and production showed a decrease for the first time since 1938 and the number of coins issued showed a substantial drop when compared with 1953.

Detailed statements of the issue and production of coins by denomination are set out below for the years 1953 and 1954:

#### COINAGE ISSUE IN 1953 AND 1954

Denomination	1953	1954
	\$	\$
SILVER COIN—		
1 dollar.....	1,062,728.00	262,494.00
50 cents.....	908,020.50	330,450.50
25 cents.....	2,462,165.50	752,021.25
10 cents.....	1,705,771.70	520,002.30
Total Silver.....	6,138,685.70	1,864,968.05
NICKEL COIN—		
5 cents.....	233.75	27.05
STEEL COIN—		
5 cents.....	831,914.75	350,229.50
BRONZE COIN—		
1 cent.....	655,129.75	263,897.03
Total.....	7,625,963.95	2,479,121.63
Representing	Number of Pieces	
Total.....	111,941,093	42,526,337

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Steel	Bronze
	Dollar	50 Cents	25 Cents	10 Cents	5 Cents	5 Cents	1 Cent
	\$	\$	\$	\$	\$	\$	\$
Calgary.....	20,000.00	15,000.00	110,000.00	80,000.00	.....	40,200.00	27,000.00
Halifax.....	19,000.00	20,000.00	75,000.00	55,000.00	.....	22,500.00	21,900.00
Montreal.....	33,000.00	12,000.00	14,000.00	2,000.00	.....	33,900.00	72,180.00
Ottawa.....	16,300.00	33,737.50	53,090.00	65,256.50	.....	41,452.25	22,192.55
Ottawa for Charlottetown..	4,000.00	.....	.....	.....	.....	.....	1,320.00
Ottawa for St. John's, Nfld.	5,000.00	10,000.00	25,000.00	29,000.00	.....	12,900.00	23,400.00
Regina.....	4,000.00	20,000.00	122,000.00	62,000.00	.....	23,100.00	23,700.00
Saint John, N.B.....	1,000.00	11,000.00	50,000.00	4,000.00	.....	6,900.00	3,540.00
Toronto.....	119,500.00	14,000.00	216,000.00	101,000.00	.....	87,300.00	19,140.00
Vancouver.....	10,000.00	190,000.00	.....	120,000.00	.....	70,200.00	32,700.00
Winnipeg.....	22,000.00	1,000.00	85,000.00	1,000.00	.....	11,400.00	16,620.00
Sundry Persons.....	8,694.00	3,713.00	1,931.25	745.80	27.05	377.25	204.48
Total.....	262,494.00	330,450.50	752,021.25	520,002.30	27.05	350,229.50	263,897.03

#### Coinage Production in 1953 and 1954

CANADA	1953	1954
	Pieces	Pieces
SILVER, 800 fine—		
1 dollar.....	1,074,578	246,606
50 cents.....	1,630,429	506,305
25 cents.....	10,456,769	2,318,891
10 cents.....	17,706,395	4,493,150
STEEL—		
5 cents.....	16,635,552	6,998,662
BRONZE—		
1 cent.....	67,806,016	22,181,760
	115,309,739	36,745,374

#### Worn and mutilated coin withdrawn from circulation:

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	64,567.45	1,800,400.60
Nickel Coin—5 cents (Mutilated only).....	2,384.95	.....
Tombac Coin—5 cents.....	10,269.50	.....
Steel Coin—5 cents.....	1,162.30	349,067.20
Bronze Coin.....	1,688.62	262,208.41

Details of the weights of silver bullion, copper and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized below:

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
	Ounces	Ounces	Ounces	Ounces
SILVER, 800 fine—				
1 dollar.....	678,658.20	626,367.00	327,805.42	184,919.50
50 cents.....	833,872.80	983,206.70	592,646.11	189,186.87
25 cents.....	1,541,306.20	1,681,905.40	1,157,392.77	433,074.98
10 cents.....	1,261,338.00	1,273,450.30	807,986.82	335,944.45
Total Silver.....	4,315,175.20	4,564,929.40	2,885,831.12	1,143,125.80
	Pounds	Pounds	Pounds	Pounds
STEEL—				
5 cents.....			70,488.49	68,026.00
BRONZE—				
1 cent.....	505,590.22	426,110.72	266,563.34	158,853.14
	Short Tons 400.7	Short Tons 369.6	Short Tons 267.5	Short Tons 152.6

In addition to 400.7 tons of coinage bars produced during the year, there were 53,551 ounces of worn and mutilated Canadian silver coins, which had been withdrawn from circulation, cast into 1,000 ounce ingots for assaying and conversion to 800 standard coinage bars; 1,190 pounds worn bronze coin melted into one-cent coinage bars and 1,802 pounds tombac five-cent worn coins converted into one-cent bars. One thousand and forty-one pounds of tin were melted and cast into convenient slabs for one-cent alloy and 198 pounds of copper granulated for alloying purposes.

On September 23, 1954, the first large bronze coinage bar,  $1\frac{1}{2}'' \times 7\frac{7}{8}'' \times 4'0''$ , was cast in the new water-cooled moulds. One of these moulds was used continuously for the rest of the year to produce large bronze bars.

The number of dies used in the striking of coins of all denominations and the average production from each pair of dies in 1953 and 1954 are shown in the comparative tables below:

Denomination	1953				1954			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	1,074,578	166	82	8,666	246,606	20	15	14,092
50 cents.....	1,630,429	86	65	21,595	506,305	11	14	40,504
25 cents.....	10,456,769	274	223	42,079	2,318,891	45	46	50,965
10 cents.....	17,706,395	451	309	46,596	4,493,150	147	120	33,657
5 cents.....	16,635,552	227	161	85,750	6,998,662	132	100	60,333
1 cent.....	67,806,016	232	163	343,322	22,181,760	55	71	352,091
	115,309,739	1,436	1,003		36,745,374	410	366	
Average per pair of dies.....				94,555	Average per pair of dies.....94,705			



## Designated Gold

During the year ten mines had gold bullion in Mint Storage under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for Custom Refining and Storing. At the end of 1954 the number had declined to five mines.

The fine gold content of the bullion deposited under this heading during 1954 amounted to 57,316·873 ounces. Fine bullion amounting to 65,747·470 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## BULLION

Five thousand six hundred and one deposits of gold bullion were received at the Mint during the year from Canadian Mining Companies, the Assay Office, Royal Canadian Mint, Vancouver, B.C. and Sundry Persons. The gross weight of the deposits amounted to 4,768,451 ounces containing by assay 3,829,431 ounces fine gold and 580,451 ounces fine silver. The receipts show an increase as compared with the year 1953 of 59 in the number of deposits, gross weight 126,041 ounces, gold content 145,357 ounces and fine silver 4,021 ounces and was composed of the following:

### *Fine Gold—*

233 deposits weighing 390,499·515 oz. of a mean fineness of 996·765

### *Crude Bullion—*

4,920 deposits weighing 4,168,857·233 oz. with an average fineness of 785·403 gold, 144·547 silver, and containing 7·005% base metal

### *Scrap (Jewellery and Dental)—*

220 deposits weighing 15,568·775 oz. at an average fineness of 502·100 gold and 93·920 silver

### *From Vancouver Assay Office—*

228 ingots, 122,505·690 oz. gross at 823·021 gold and 158·850 silver

The net value paid to depositors was \$124,496,783·55. In addition the amount of fine gold issued to depositors was 70,484 ounces.

Details of origin of the bullion deposited at Vancouver and Ottawa during the year 1954 are shown in the following table:

From Canadian Mines and Refineries	Gross Weight	Fine Gold	Fine Silver
	Ounces	Ounces	Ounces
Ontario.....	2,767,656·946	2,293,208·021	295,779·07
Quebec.....	1,038,521·500	780,118·423	170,736·26
British Columbia.....	211,094·657	168,777·366	26,019·21
Manitoba.....	168,597·885	141,746·277	12,477·57
Yukon Territory.....	102,387·040	82,207·839	16,656·96
Nova Scotia.....	214·050	182·610	5·05
North West Territories.....	398,451·175	301,672·195	57,720·01
Alberta and Saskatchewan.....	243·685	195·806	17·89
Total from Canadian Mines and Refineries.....	4,687,166·938	3,768,108·537	579,412·02
From Jewellery and Scrap.....	16,721·565	8,377·752	1,447·03
Grand Total.....	4,703,888·503	3,776,486·289	580,859·05

NOTE:—The variation between the figures in the table of origin and those above is due to shipments from the Assay Office, Vancouver, being received at the Royal Canadian Mint, Ottawa, the month following deposit and payment at Vancouver.

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	Ounces Fine
9,767 Trade bars transferred to Exchange Fund Account of Minister of Finance and held in safe-keeping by Bank of Canada.....	3,908,951.755
Depositors—granulated and bars.....	70,483.519
Sales of fine gold.....	7,304.859
Proof Plate for assay purposes.....	3.929
Medals, etc.....	12.347
Sweep.....	12,079.157
	<u>3,998,835.566</u>

This total shows an increase of 372,338.828 ounces fine issued as compared with the year 1953.

The following table gives details of rough bullion received and fine bullion produced during the year:

Receipts	Number of Deposits	Fine Gold	Fine Silver
		Ounces	Ounces
Mines.....	4,981	3,663,471.915	550,008.67
Vancouver Assay Office.....	228	100,824.740	18,234.95
Jewellery and Scrap.....	220	7,817.081	1,306.53
Designated—Mines.....	172	57,316.873	10,900.43

Produced	Number	Gross Weight	Fine Weight	Average Assay
		Ounces	Ounces	
Fine Gold Bars.....	9,924	3,984,081.525	3,972,969.417	997.2
Granulated Gold.....		11,060.380	11,057.839	999.8
Fine Silver Bars.....	519	587,984.02	587,814.25	999.7
Granulated Silver.....		9,671.90	9,669.87	999.8
Gold Medals.....			19.847	.....
Special Gold Bars.....	1	12.870	12.865	999.6
Designated Gold Bars.....	62	24,896.284	24,818.010	996.9
Designated Granulated Gold.....		18,248.479	18,244.849	999.8

Special Processes	Number	Gross Weight
		Ounces
Remelts.....	344	264,689.775
Toughenings.....	2	635.525
		Pounds
Chloride Reduction.....		82,530.00
Sweeps.....		112,352.50

Details of the assays, etc., made during the year are shown hereunder.

*Gold—*

Refinages.....	5,256	
Rough Gold.....	33,390	
Proofs.....	3,335	
Parting Proofs.....	843	
Parting Buttons.....	11,440	
Miscellaneous.....	2,182	
		56,446

*Silver—*

Standard Bars.....	5,038	
Pyx.....	680	
Proofs.....	585	
Fine Silver.....	750	
Worn Coin.....	126	
Miscellaneous.....	115	
		7,294

*Miscellaneous—*

For the Marking Act Inspector.....	25	
Mint Residues (sweeps, etc.).....	640	
Commercial.....	12	
		677
Total.....		64,417

The mean finenesses of the Silver Coinage struck in 1954 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	799.63
50 cents.....	800.00	799.28
25 cents.....	800.00	799.32
10 cents.....	800.00	799.40

## MEDALS

One thousand and twenty-five ounces of sterling silver were cast into bars for Governor General's Medals and 109,716 ounces of silver bars, 800 fine, for other medals. Three hundred and forty-five pounds of tombac metal were cast for medals.

Dies were made for the Korea War Medal, Long Service and Good Conduct (Military) Medal, Canada Efficiency Medal, Canadian Forces Decoration Medal and Dr. John Patterson Medal.

At the request of the Department of National Defence, obverse and reverse punches were made for the Korea War Medal. The obverse bears the uncrowned effigy of Queen Elizabeth II, as designed by Mrs. Mary Gillick for the coinage of the Commonwealth, except in higher relief. The inscription reads: "ELIZABETH II DEI GRATIA REGINA CANADA". For the reverse, an unhardened matrix, modelled by Mr. E. Carter-Preston, was received from the Royal Mint, London, depicting a hydraheaded monster of Greek mythology being destroyed by Hercules, with "KOREA" in the exergue.

The Department of National Defence also required changes made in the obverse design of the Canada Long Service and Good Conduct Medal, and the Canadian Efficiency Medal. Reduction punches for both medals were prepared

here from one nine-inch electrotype received from the Royal Mint, London. The crowned effigy of Her Majesty the Queen, wearing the St. Edward's Crown, as modelled by Mr. Henry Paget, was used in this instance. The inscription, adopted by Canada for coins and medals, was engraved by hand in the matrix. The word "CANADA" appears on the clasp.

A new obverse die was made for the Canadian Forces Decoration to replace the former issue of King George VI. The uncrowned or classical effigy of Queen Elizabeth was also used on this medal similar to the Korea Medal. The reverse die was redesigned and the letters "GR" removed.

When striking the first Canadian Forces Decoration in 1949, it was found difficult to make a permanent attachment of the clasp to the medal, owing to the nature of the design and shape of the medal, which is ten-sided. The Mint Engraver prepared the new dies to strike the medal as one solid unit, instead of the former method of striking medal and clasp separately, then attaching them together by a small rivet.

At the request of the Controller of Air Services, Meteorological Division, Department of Transport, the Mint Engraver modelled from a photograph and sketches a likeness of Dr. John Patterson, Controller of the Meteorological Division from 1929 to 1946. From the original model, 10" plaster casts were taken, and a copper, chromium-plated electrotype reproduced to engrave the steel reduction punch on the pantograph engraving machine. Obverse dies were prepared from the punch to strike a silver medal  $1\frac{3}{4}$ " diameter to be known as the Patterson Medal. The obverse die bears the portrait of Dr. Patterson, three-quarter face, surrounded by the inscription "The Patterson Medal for Distinguished Service to Meteorology". The reverse die, prepared in the same way from a model, describes the award as follows:

"Awarded to (name of recipient) by the staff of the Canadian Meteorological Service in Honour of John Patterson's Lifetime Service to Meteorology".

#### For Signatures:

Master punches were engraved by hand for the preparation of signature plates required by officials of the Bank of Canada. Twenty plates were produced and supplied to the Bank.

The following medals were struck and issued during 1954:

For the Department of National Defence—	
Korea War Medals, with clasp, silver, 800 fine.....	27,506
Canada Long Service and Good Conduct Medals, with clasp, silver, 800 fine....	506
Canadian Efficiency Medals, with clasp, silver, 800 fine.....	506
For His Excellency the Right Honourable Vincent Massey, C.H.—	
Governor-General's Medals, silver, 925 fine (gilded).....	10
Governor-General's Medals, silver, 925 fine.....	72
Governor-General's Medals, tombac toned.....	236
Governor-General's Crests, silver 925 fine (gilded).....	36
For the Royal Canadian Mounted Police—	
Long Service and Good Conduct Medals, silver, 800 fine.....	102
For the Engineering Institute of Canada.....	7
One Gzowski Medal, 10 kt. gold	
Two Leonard Medals, 10 kt. gold	
One Plummer Medal, 10 kt. gold	
One Ross Medal, 10 kt. gold	
Two Julian C. Smith Medals, tombac	
For the Royal Society of Canada.....	2
One Flavelle Medal, 14 kt. gold	
One Tyrell Medal, fine gold.....	
For the International Congress of Mathematicians.....	2
Two Mathematical Medals, 14 kt. gold	
For the Professional Institute of the Public Service of Canada, 14 kt. gold.....	1



For the Department of Transport—	
Webster Memorial Trophy Medal for Good Airmanship, tombac.....	1
Miscellaneous—	
Canadian Forces Decoration, tombac gilded, for special presentation.....	3

All medals issued to the Royal Canadian Mounted Police, Engineering Institute of Canada, Royal Society of Canada, International Congress of Mathematicians and Professional Institute of the Public Service of Canada were engraved with the name of the recipient.

## PLANT AND EQUIPMENT

In order to increase the productive capacity of the Examining and Weighing Room, eight automatic coin weighers were purchased from the Royal Mint, London, and an additional overlooking table was installed. The additional accommodation required for the full complement of twenty weighing machines and two overlooking tables was provided for by utilizing the floor space formerly occupied by the coining presses.

Overhead belt drives have been entirely eliminated. All machines are now driven by individual motor with speed reduction gears.

Installation of final units of the new equipment is expected within the next two or three months when the coin blank annealing and strip annealing furnaces are received.

Major improvements in the methods of melting bullion and metals for coinage bars include the installation of high-powered electric induction furnaces and water-cooled, copper-lined moulds, to cast 175-pound slabs in place of the former 7-pound bars.

When installation is completed, there will be four high-frequency electric tilting furnaces, each having a capacity of 200 pounds of metal at each melt. Operating full time, the four furnaces should produce about three tons of bronze bars daily during a normal shift. The furnaces are mounted on a steel platform five feet above the floor.

Each furnace is energized by a water-cooled helical coil, acting as the inductor or primary surrounding the charge of bullion or metal, within a fire-clay receptacle. Energy is obtained from an individual generator, or frequency-changer, supplying the power at 400 volts, 1000 cycles frequency.

The molten metal is poured from the furnace, as it begins to tilt, through a tundish or control box immediately above the mould. The control box has four  $\frac{3}{8}$ " holes, through which the metal flows in fine streams into the mould. This arrangement assists in overcoming occluded gases and produces a more homogeneous casting than with a single stream of metal flowing into the mould.

Four permanent moulds, of heavy construction, one in front of each furnace, mounted stationary on the main floor, cast one large coinage bar at each melt,  $1\frac{1}{2}$ " thick,  $7\frac{7}{8}$ " wide and 48" long. Each mould is water-cooled by a special unit which keeps the water flowing through the sides and back of the moulds at about 110° F.

Successful casting of the large bronze bars depends on the control and perfect synchronization of many factors, such as pyrometer temperature control of the molten metal at pouring point; flow and temperature of cooling water in the mould; proper mould treatment of the copper surface to insure lubrication between the mould and newly cast bar and protection from oxidation of the molten metal by passing the stream of metal through a gaseous atmosphere.

The new rolling mill unit recently installed replaces four smaller manually ed rolling mills formerly used to break down and gauge coinage bars.

The installation consists of two 18" x 18" rolling mill units, each driven by a 200 H.P. motor. The conveyors to feed the slabs to the mills, to remove

the bars from the run-out table and to bring them back into position for the next pass through the rolls, along with the mills and motors, occupy a space of 72 feet by 25 feet on the main floor of the Rolling Room.

The ingots pass through the first or roughing mill at a speed of 107 feet per minute and after eleven passes, are reduced in thickness from  $1\frac{1}{2}$ " to .250".

At the finishing mill the strips are coiled automatically after each pass, brought around on a horse-shoe shaped conveyor to the entrance of the rolls and pass through these rolls at a speed of 207 feet per minute. After about six times through, the required thickness is attained and the resultant strip is 120 feet long.

To achieve accurate gauging of the strips, the roll bearings are lubricated by a flow of oil under pressure at a constant temperature and water coolant is sprayed over the metal on passing through the rolls.

The installation of this modern and high-class equipment will effect a considerable increase in production per man hour and an increase in the percentage of good blanks from bars rolled.

In the Cutting Room all the old methods used to feed the cutters and handle the scrap and scissel from blanks had to be discontinued and labour-saving devices evolved to keep pace with the increased production in the Melting and Rolling Rooms.

Before the gauged strips,  $7\frac{7}{8}$ " wide, are sent to the high-speed punch presses, they are slit in three longitudinal strips of the required widths on a slitting machine.

Special coil holders of cast aluminum were designed by our own staff to feed the coiled strips mechanically to the blank cutting presses. These holders are made with two compartments, making it possible to load one compartment while the other is feeding work to the press. In this way, there is the minimum of delay between operations. The coil holder moves from side to side on wheels in a track to get the proper alignment between coil holder and blanking press.

The scrap scissel, after the blanks are cut out, is now chopped into fine particles for remelting, in place of bundling the scissel strip by hand. Four scrap choppers, one for each cutting press, were designed and installed to provide a more effective and speedier method of disposing of scissel strips 120 feet long.

Two high-speed edge-marking machines were designed by Mint technicians and manufactured in Canada.

### ASSAY OFFICE, VANCOUVER, B.C.

Disbursements for the purchase of gold bullion deposited during the year amounted to \$3,567,057.77.

The following table gives particulars as to the source, weights, etc., of the deposits:

Source	Number of Deposits	Gross Weight	Fine Gold	Fine Silver
		Ounces	Ounces	Ounces
Yukon Territory.....	272	102,384.84	82,206.704	16,655.98
British Columbia.....	180	25,040.78	22,141.486	1,800.72
Alberta.....	28	231.02	186.993	17.09
Saskatchewan.....	1	1.09	.847	.08
North West Territory.....	1	60.00	45.711	7.33
Ontario.....	1	92.46	54.881	21.72
Jewellery and Dental Scrap.....	63	1,152.79	560.671	140.50
Totals.....	546	128,962.98	105,197.293	18,643.42

## COMPARATIVE STATEMENTS

## (1) Totals for Each Year under above headings, 1946 to 1954 inclusive

1946.....	603	85,071.57	67,325.255	12,923.84
1947.....	578	76,041.64	59,739.223	11,595.18
1948.....	621	110,223.80	88,267.384	15,725.07
1949.....	708	135,157.31	107,522.943	20,564.73
1950.....	777	161,652.46	130,023.960	23,400.03
1951.....	636	146,631.06	119,061.818	20,800.85
1952.....	549	135,120.12	110,609.496	19,354.15
1953.....	507	116,590.74	95,149.452	16,154.16
1954.....	546	128,962.98	105,197.293	18,643.42

## (2) Totals for Each Year, 1946 to 1954 inclusive, disbursed for Gold Bullion Purchases

1946.....	\$ 2,406,170.90
1947.....	2,081,867.67
1948.....	3,077,555.15
1949.....	3,903,665.49
1950.....	4,922,946.70
1951.....	4,385,194.32
1952.....	3,742,509.52
1953.....	3,274,129.18
1954.....	3,567,057.77

## GENERAL

The annual stocktaking and inspection of the store of bullion and coin was conducted in the month of September by officers of the Auditor General's Department.

The Assay Commissioners, Mr. R. A. Rogers of the Mines Branch, Department of Mines and Technical Surveys, Dr. W. H. Henry and Mr. R. Ironside of the Division of Applied Chemistry, National Research Council, appointed under the provisions of the Act respecting Currency, the Royal Canadian Mint and the Exchange Fund, for the purpose of ascertaining that coins of the Currency of Canada struck at the Royal Canadian Mint during 1953 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge A. G. McDougall, on the 4th day of May, 1954.

The findings of the Commissioners indicated that the coins, both as to weight and fineness, conformed with the standards established by the Currency Act.

Four suspected coins (two ten-cent and two fifty-cent pieces) were examined for the Royal Canadian Mounted Police. Only one of the fifty-cent pieces was spurious. One other fifty-cent piece, submitted by a private individual, was found to be counterfeit.

The number on the staff as at 31st December, 1954, was 216. Of this number 27 were employed in the Administrative and Mint Office, 130 in the Coining and Medal Division, 15 in the Assay Division, 35 in the Refinery and 9 in the Assay Office at Vancouver.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, net circulation of coin in Canada, financial statements for the calendar year 1954, Gold Bullion Regulations, Mint Custom Refining and Storing Regulations, Trial of the Pyx Regulations and Proclamation for the production of the Five-Cent Coin of Nickel in 1955 are appended herewith.

I am, Sir,

Your obedient Servant,

A. P. WILLIAMS,  
Master, Royal Canadian Mint.

## APPENDIX A

Summary of Transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931 to December 31, 1954.

YEAR	GOLD RECEIVED		GOLD ISSUED	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1944.....	97,147,554.783	78,436,177.193	383,319.096	77,963,244.938
1945.....	3,102,991.020	2,503,416.913	.....	2,499,163.674
1946.....	3,271,246.445	2,652,244.865	.....	2,665,964.763
1947.....	3,559,496.703	2,868,469.014	.....	2,859,084.218
1948.....	4,252,389.454	3,401,991.441	.....	3,405,073.335
1949.....	4,941,749.248	3,925,617.709	.....	3,865,296.377
1950.....	5,485,956.751	4,422,968.129	.....	4,347,961.898
1951.....	5,246,758.942	4,169,479.513	.....	4,167,485.874
1952.....	4,848,048.381	3,953,158.154	.....	4,031,068.071
1953.....	4,642,410.478	3,684,073.637	.....	3,626,496.738
1954.....	4,768,451.365	3,829,430.609	.....	3,998,835.566
	141,267,053.570	113,847,027.177	383,319.096	113,429,675.452



# APPENDIX B (1) COIN ISSUED IN CANADA

SILVER										
	Dollar \$	50¢ \$	25¢ \$	20¢ \$	10¢ \$	5¢ \$	Total Silver \$			
1858 to 1907 New Brunswick, 1861, 2 and 4, Nova Scotia, 1861, 2 and 4, Prince Edward Island, 1871, Rest of Canada, 1858-1907. Totals.....				60,000	25,000	10,000	95,000			
		1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996			
		1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996			
GOLD										
1908 to 1954 1943..... 1944..... 1945..... 1946..... 1947..... 1948 { dated 1947..... { dated 1948..... 1949..... 1950..... 1951..... 1952..... 1953..... 1954.....	Sover- eigns £	\$10 \$	\$5 \$							
	627,834	3,480,380	1,388,070							
		627,834	3,480,380	1,388,070						

# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel 5¢ \$	Tombac 5¢ \$	Steel 5¢ \$	Bronze	
				1¢ \$	1/2¢ \$
1858 { New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. to Prince Edward 1907 Island, 1871. Rest of Canada, 1868-1907.	.....	.....	.....	20,000	1,114
.....	.....	.....	.....	26,000	4,000
.....	.....	.....	.....	10,000	.....
.....	.....	.....	.....	803,315	.....
Totals.....	.....	.....	.....	859,315	5,114
1908	.....	.....	.....	.....	.....
to	.....	.....	.....	.....	.....
1943.....	4,857,775.50	1,407,424.50	571,000.00	5,637,806.00	.....
1944.....	.....	*400.00	950,300.00	454,600.00	.....
1945.....	.....	.....	.....	748,500.00	.....
1946.....	291,500.00	.....	.....	528,500.00	.....
1947.....	391,000.00	.....	.....	360,300.00	.....
1948 { dated 1947.....	525,076.60	.....	.....	452,296.05	.....
..... { dated 1948.....	90,423.40	.....	.....	256,003.95	.....
1949.....	637,500.10	.....	.....	321,901.02	.....
1950.....	640,510.40	.....	.....	607,003.08	.....
1951.....	423,003.20	.....	182,829.35	783,329.12	.....
1952.....	597.80	.....	576,965.00	683,820.86	.....
1953.....	233.75	.....	831,914.75	655,129.75	.....
1954.....	27.05	.....	350,229.50	263,897.03	.....
Totals.....	7,857,647.80	1,407,824.50	3,463,238.60	12,612,401.86	5,114

\*This coin struck in 1943.

## APPENDIX C

CIRCULATION OF CANADIAN COIN AS AT 31ST DECEMBER, 1954

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905	10,487,774				701,429	11,279,203	1.85
1910	14,327,662				967,353	15,295,015	2.03
1915	18,588,573				1,212,588	19,801,161	2.51
1920	28,384,850				1,895,783	30,280,633	3.51
1925	27,713,019 <sup>1</sup>				2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525			2,297,405	32,354,260	3.17
1931	28,706,348	1,775,139			2,346,054	32,827,541	3.16
1932	28,853,740	1,939,923			2,558,962	33,352,625	3.17
1933	28,530,340	2,064,054			2,678,302	33,272,696	3.13
1934	28,702,640	2,256,268			2,745,296	33,704,204	3.14
1935	28,407,168	2,449,278			2,818,341	33,674,787	3.11
1936	28,442,074	2,650,891			2,904,288	33,997,253	3.10
1937	29,387,857	2,899,361			3,003,286	35,290,504	3.20
1938	30,482,924	3,051,594			3,091,873	36,626,391	3.28
1939	32,236,145	3,355,906			3,276,771	38,868,822	3.45
1940	36,944,040	4,015,232			4,092,234	45,051,506	3.96
1941	40,339,221	4,467,463			4,648,567	49,455,251	4.30
1942	44,011,038	4,827,596	169,424		5,422,131	54,430,189	4.67
1943	51,009,046	4,826,033	1,407,424		6,300,627	63,543,130	5.39
1944	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50

<sup>1</sup> Decrease due to withdrawal of worn and mutilated silver coins from circulation.

## APPENDIX D

## ROYAL CANADIAN MINT

## COINAGE AND BULLION OPERATIONS, 1954

## GOLD BULLION

	Fine Ounces	Value	Fine Ounces	Value
Gold on hand, December 31, 1953 (value at \$34.21850404).....			269,174.726	\$ 9,210,756.45
Gold purchased at various rates.....			3,772,113.736	128,529,899.50
Gain in operations.....			1,128.077	38,639.41
			<u>4,042,416.539</u>	<u>\$ 137,779,295.36</u>
Less: Gold sold at various rates.....	3,933,088.096	\$ 133,991,064.81		
Adjustment in valuation of gold.....		37,359.96		
			<u>3,933,088.096</u>	<u>134,028,424.77</u>
Balance on hand (exclusive of Assay Office) at December 31, 1954 (value at \$34.30827776).....			<u>109,328.443</u>	<u>\$ 3,750,870.59</u>

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1953.....		\$ 138,798.47
Bullion purchased.....		481,685.98
Treatment charges—Sweep.....		8,207.12
		<u>\$ 628,691.57</u>
Less: Bullion transferred to silver coinage account.....	\$ 108,574.43	
Bullion sold.....	51,838.18	
Net loss on operations.....	<u>14,525.56</u>	<u>174,938.17</u>
Balance, December 31, 1954.....		<u>\$ 453,753.40</u>

## SILVER COINAGE ACCOUNT

Balance, December 31, 1953.....	\$ 3,398,722.13
Bullion and alloy purchased or transferred.....	867,948.01
Worn coin purchased (withdrawn for recoinage).....	67,458.51
Net gain on coinage credited to Consolidated Revenue Fund.....	<u>716,490.39</u>
	<u>\$ 5,050,619.04</u>
Less: Coin sold.....	1,864,968.05
Balance, December 31, 1954.....	<u>\$ 3,185,650.99</u>

## NICKEL COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1953.....		\$ 11,002.66
Metal purchased.....		4,474.00
Mutilated coin purchased.....		1,985.75
		<u>\$ 17,462.41</u>
Less: Coin sold.....		27.05
Balance, December 31, 1954.....		<u>\$ 17,435.36</u>



APPENDIX D—*Concluded*

## BRONZE COINAGE ACCOUNT

Balance, December 31, 1953.....		\$	183,072.38
Metal purchased.....			86,096.01
Worn coin purchased (withdrawn for recoinage).....			11,689.38
Toll charges on copper residues.....			668.63
Net gain on coinage credited to Consolidated Revenue Fund			161,861.02
			<hr/>
		\$	443,387.42
Less: Coin sold.....	\$ 263,897.03		
Alloy transferred to silver coinage account.....	6,684.00		
Metal in medals sold.....	296.69		
	<hr/>		270,877.72
Balance, December 31, 1954.....		\$	172,509.70
			<hr/> <hr/>

## STEEL COINAGE ACCOUNT

Balance, December 31, 1953.....		\$	9,933.04
Mutilated coin and metal purchased.....			55,675.11
Net gain on coinage credited to Consolidated Revenue Fund			286,710.74
			<hr/>
		\$	352,318.89
Less: Coin sold.....	\$ 350,229.50		
Metal sold.....	327.76		
	<hr/>		350,557.26
Balance, December 31, 1954.....		\$	1,761.63
			<hr/> <hr/>

## APPENDIX E

### FINANCIAL STATEMENT

#### STATEMENT OF INCOME AND EXPENDITURES FOR THE YEAR ENDED 31 DECEMBER, 1954

## INCOME:

## Gold

Refining and Assaying charges.....	\$167,757.50
Handling charges.....	757,228.47
Net Gain in Refining and Revaluation of gold....	1,971.94
Charges—Storage, Packing, Sales, etc.....	5,549.92

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\$932,507.83

## Coinage

## Net Gain on:

Silver Bullion—Coinage and Medals.....	701,968.94
Bronze Coinage.....	161,861.02
Nickel Coinage.....	
Steel Coinage.....	286,710.74

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1,150,540.70

Charges—manufacturing Medallions, etc.....

39,479.45

Proceeds from Sales—coin cases, etc.....

28.13

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\$2,122,556.11

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## EXPENDITURES:

Salaries.....	\$ 808,510.60
Travelling Expenses.....	2,203.70
Express on Coin Shipments.....	39,409.23
Freight, Express and Cartage.....	858.02
Postage.....	97.03
Telephones and Telegrams.....	547.01
Printing of Annual Report.....	374.35
Office Stationery, Supplies and Equipment.....	6,183.41
Supplies—Coinage and Medal work.....	29,263.91
Refining and Assaying.....	38,639.86
Acquisition of Equipment.....	341,766.30
Repairs and Upkeep of Equipment.....	14,472.51
Power, Light and Gas.....	21,450.60
Sundries, including Contingent Reserves.....	3,467.55
Total Expenditures.....	\$ 1,307,244.08

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Excess of income over expenditures in the year ended December 31, 1954   \$   815,312.03

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NOTE:—The total shown for income does not reflect the value of services rendered free of charges to other departments, nor does the total shown for expenditures reflect any charges for premises owned by the Government and occupied by the Mint or for certain accounting and miscellaneous services provided by other departments.

## APPENDIX F

## CURRENCY, MINT AND EXCHANGE FUND ACT—GOLD BULLION REGULATIONS

P.C. 1954-1584—19th day of October, 1954.

1. The Regulations respecting the purchase and sale of gold at the Royal Canadian Mint, established by Order in Council P.C. 4269 of 9th October, 1952, as amended, are hereby revoked; and

2. The annexed "Regulations respecting the purchase and sale of gold at the Mint" are hereby made and established in substitution for the regulations hereby revoked.

## REGULATIONS RESPECTING THE PURCHASE AND SALE OF GOLD AT THE MINT

1. These regulations may be cited as the Gold Bullion Regulations
2. In these regulations,
  - (a) "deposit" means a parcel of bullion or other material containing gold;
  - (b) "Master" means the Master of the Mint.
3. (1) The Master may accept a deposit that is delivered to the Mint if it contains
  - (a) newly mined Canadian gold,
  - (b) old jewellery and dental scrap that has not been melted or otherwise treated to prevent its origin being readily recognized,
  - (c) scrap resulting from processes carried out by manufacturers and refiners in the ordinary course of their business, or
  - (d) gold coin that is not legal tender in Canada.
 (2) The Master shall not accept
  - (a) a deposit to which subsection (1) does not apply unless the Minister has authorized him to do so,
  - (b) an ingot, exceeding one thousand and two hundred ounces troy, gross weight, or
  - (c) a deposit that appears to him to be unsuitable for treatment by the refining process in use at the Mint.
 (3) The Master is not obliged to accept any deposit and before accepting a deposit he may require the depositor to furnish satisfactory evidence as to the origin of the contents.
4. (1) Each parcel of bullion for which a separate assay is required shall be regarded as a separate deposit and all deposits that have been accepted by the Master shall be valued in the order in which they have been received.
 (2) The contents of each deposit shall, as soon as may be after the deposit has been accepted by the Master, be determined and valued on the report of the Assay Division of the Mint, gold being reported to the one four-thousandth part (one-quarter millieme) and silver to the one-thousandth part (one millieme) except that, when the millesimal fineness of the bullion exceeds nine hundred and ninety, the gold shall be reported to the one-ten-thousandth part (one-tenth millieme); but the silver content of a deposit when below ten parts in one thousand shall not be reported.
 (3) Where it is determined that a deposit contains less than two hundred parts of gold in one thousand by assay, or that a deposit is unsuitable for treat-

APPENDIX F—*Continued*

ment by the refining process in use at the Mint, the Master shall deliver the deposit to the depositor at the Mint counter upon payment by the depositor of the Mint charges for melting and assaying.

(4) On the completion of the valuation of a deposit, the Master shall, unless the deposit is to be returned to the depositor under subsection (3), furnish the depositor with a memorandum of the out-turn of his deposit in duplicate in which shall be disclosed

- (a) the weight of the deposit before and after melting,
- (b) the assay report,
- (c) the fine gold and fine silver content of the deposit,
- (d) the gross value of the fine content at the Mint price applicable to the deposit in accordance with sections 5 and 6,
- (e) the Mint charges applicable to the deposit, and
- (f) the net value of the fine content of the deposit, being the gross value minus the Mint charges.

(5) Upon the memorandum being furnished to a depositor under subsection (4), the Minister shall pay to the depositor an amount equal to the net value of the fine content of the deposit as disclosed in the memorandum.

5. The price payable by the Minister for gold contained in a deposit that is accepted by the Master is the market price of gold in the country to which the Government of Canada is, at the time the deposit is received, exporting gold, converted into Canadian funds at the average of the buying rates of exchange for the currency of that country, reported to the Minister by the Bank of Canada at noon of the days Monday to Friday inclusive of the week during which the deposit is delivered to the Master, such price to be known as the "Mint buying price".

6. The price payable by the Minister for silver (except for the first one per cent of the weight of the deposit after melting) contained in a deposit is the average of the official New York daily quotation for fine silver for the days Monday to Friday inclusive of the week in which the deposit is delivered to the Master, converted into Canadian funds at the average of the buying rates of exchange for United States funds reported to the Minister by the Bank of Canada at noon on the days Monday to Friday inclusive of that week, but this section does not apply when the silver content does not exceed one per cent of the weight of the deposit.

7. The Mint charges, to be calculated on the gross weight of the deposit after melting, shall be as follows:

- (a) for melting and assaying,—one dollar for the first four hundred ounces or part thereof and twenty-five cents for each additional one hundred ounces or part thereof;
- (b) for refining,—when the deposit contains not more than five per cent base metal..... three cents per ounce,  
Over five per cent but not over ten per cent base metal..... three and one-half cents per ounce,  
Over ten per cent but not over fifteen per cent base metal..... four and one-quarter cents per ounce,  
Over fifteen per cent but not over twenty per cent base metal..... five cents per ounce,



APPENDIX F—*Concluded*

- (c) handling charge to cover costs of marketing outside Canada
  - (i) newly mined Canadian gold..... twenty cents per fine ounce,
  - (ii) all other gold..... one dollar per fine ounce,
- (d) on deposits which contain over twenty per cent base metal, or which require toughening or other special treatment in order to obtain concordant assays, a charge, not exceeding ten cents per ounce, to be determined by the cost of treatment;
- (e) the minimum charge for refining shall be two dollars for each deposit, and the charge for refining applies to all deposits containing by assay less than nine hundred and ninety-five parts fine gold in one thousand.

8. (1) The Master may, from time to time, sell fine gold from the Mint if the Minister has authorized him to do so.

(2) The price payable for each ounce of gold sold under subsection (1) shall be the Mint buying price per ounce established in accordance with section 5 for the week immediately preceding the week in which the gold is sold, plus ten cents.

(3) The Master may issue fine gold from the Mint in part payment of the net value of the fine content of a deposit.

9. (1) Deposits may be delivered to the Mint on Monday to Friday inclusive between the hours of 9.30 a.m. and 4.30 p.m., unless such a day is a day to be observed as a holiday under the Civil Service Act.

(2) All deposits that are tendered to the Minister for purchase by him shall be delivered to the Master at the Mint counter, free of all charges.

(3) Where a package is received at the Mint by mail or carrier, it shall not be opened until an invoice setting out the description and weight of the contents has been received by the Master and where there is a discrepancy between the actual and invoice weights of a deposit, the deposit shall not be further dealt with until the Master has notified the depositor of the discrepancy and has received further instructions from the depositor.

(4) Gold sold by the Minister shall be delivered at the Mint counter at Ottawa to the purchaser or a carrier or other agent acting on behalf of the purchaser.

(5) A deposit that is to be returned to a depositor shall be delivered, at the Mint counter at the place where the deposit is when the Master decides to return it, to the depositor or a carrier or other agent acting on behalf of the depositor.

## APPENDIX G

## CURRENCY, MINT AND EXCHANGE FUND ACT—MINT CUSTOM REFINING AND STORING REGULATIONS

P.C. 1954-1619—28th day of October, 1954.

1. The Mint Custom Refining and Storing Regulations, established by Order in Council P.C. 1953-1944 of 17th December, 1953, are hereby revoked; and

2. The annexed "Mint Custom Refining and Storing Regulations" are hereby made and established in substitution for the regulations hereby revoked.

REGULATIONS PRESCRIBING THE CIRCUMSTANCES UNDER WHICH AND THE CONDITIONS UPON WHICH GOLD WILL BE ACCEPTED AT THE MINT FOR CUSTOM REFINING AND STORING

1. These regulations may be cited as the Mint Custom Refining and Storing Regulations.

2. (1) In these regulations,

- (a) "appropriate form" means the form of the instrument or document prescribed by the Minister for a particular purpose;
- (b) "designated gold" means gold produced from a mine of a producer, on or after the elected date;
- (c) "elected date" means, with respect to a producer, the first day of January, April, July or October, as the producer designates, with the approval of the Minister, in making his election in the appropriate form;
- (d) "producer" means a person or corporation engaged in producing gold from a mine who has made an election by instrument in the appropriate form delivered to the Minister;
- (e) "processor" means a person or corporation engaged in the business of processing gold in Canada who makes application and gives an undertaking in the appropriate form, and whose application has been accepted by the Minister and who has not subsequently been disqualified under section 8.

(2) The Minister shall not approve a date as the elected date in respect of a producer unless the producer has, before the expiry of thirty days from that date, delivered to the Minister an election in the appropriate form designating that date as the elected date.

3. (1) Upon application by a producer in the appropriate form the Minister may accept designated gold at the Mint for assaying, refining and storing on behalf of the producer.

(2) Where a producer, in accordance with a licence issued under the Gold Export Act,

(a) ships designated gold from Canada to be smelted or refined and subsequently sells the refined gold outside Canada, or

(b) sells designated gold to a smelter or refiner outside Canada, at a price that, in the opinion of the Minister, does not exceed the Mint price, the Minister may, upon being satisfied that the gold has been so sold, sell to the producer an amount of gold equivalent to the amount so sold and, subject to section 4, store it at the Mint for the producer.

APPENDIX G—*Continued*

4. (1) Gold accepted at the Mint for assaying, refining or storing under these regulations is so accepted subject to the condition that it shall be released, in the form of fine gold (.995 fine or better), only upon application in accordance with these regulations made by or on behalf of the producer,

- (a) for sale and delivery to a processor, in an amount that, in the opinion of the Minister, does not exceed the normal requirements of the processor and if, in the opinion of the Minister, it will be used for bona fide industrial purposes in Canada;
- (b) for export on behalf of the producer in accordance with a licence issued under the Gold Export Act; or
- (c) for sale to Her Majesty at the Mint at the official price for the purchase of gold by Her Majesty at the Mint for the week in which the sale is made;

and for no other purpose.

(2) Where gold is released from the Mint to a producer, pursuant to these regulations, it shall be delivered, at the Mint counter at Ottawa, to a consignee designated by the producer, or to a carrier or other agent acting on behalf of the consignee.

5. For the purpose of these regulations,

- (a) an application by a producer for sale and delivery of gold in accordance with paragraph (a) of subsection (1) of section 4 shall be in the appropriate form, and shall be accompanied by an offer to purchase gold in the appropriate form; and
- (b) an application by a producer for delivery of gold in accordance with paragraph (b) of subsection (1) of section 4 shall be in the appropriate form and shall be accompanied by the original or a photostatic copy of the import licence issued by the appropriate authority in the country of destination in respect of the proposed transaction, if such a licence is required.

6. The following Mint service charges are payable by a producer:

- (a) where gold is melted, assayed or refined for the producer at the Mint, an amount in respect of the melting, assaying or refining calculated at the rates then prescribed therefor by the Gold Bullion Regulations in respect of deposits of gold at the Mint, payable when billed;
- (b) one cent for every thirty days or fraction thereof (including the day on which the gold is received at the Mint but excluding the day on which it is shipped from the Mint) for each ounce of gold stored for the producer at the Mint, payable at the time of application for release of the gold or when billed, whichever is the earlier;
- (c) ten cents for each ounce of gold packed for shipment at the Mint on the direction of the producer, payable at the time of application for release of the gold; and
- (d) a handling charge of twenty cents for each ounce of gold sold to Her Majesty, payable at the time of sale.

7. The silver content of the gold bullion delivered to the Mint by a producer under these regulations may be purchased by Her Majesty at the official price for the purchase of silver by Her Majesty at the Mint for the week in which it is so purchased.

8. (1) Where a person or corporation engaged in the business of processing gold in Canada makes application and gives an undertaking in the appropriate form, the Minister may accept the application if he is satisfied that the applicant

**APPENDIX G—Concluded**

is engaged in a bona fide enterprise for the processing of gold and will carry out the undertaking in good faith.

(2) Where the Minister has reason to believe that a processor has failed to carry out any part of the undertaking given by him in the appropriate form, or that gold sold to a processor has been dealt with in a manner contrary to the undertaking, he may, by notice in writing delivered to the processor, disqualify the processor.

9. Notwithstanding anything in these regulations,

- (a) the Minister may designate a corporation that has adequate facilities for refining and storing gold as his agent to perform the services that would otherwise be performed at the Mint for a producer under these regulations, and may enter into such agreements as he deems necessary for the purpose; and
- (b) services may be performed by an agent designated under this section only upon such terms and conditions as the Minister prescribes and the Minister may, in his discretion, for the purposes of this section, fix such charges in lieu of those prescribed by section 6 and make such other financial arrangements as he deems advisable.



## APPENDIX H

CURRENCY, MINT AND EXCHANGE FUND ACT—TRIAL OF  
THE PYX REGULATIONS

P.C. 1954-1498

WEDNESDAY, the 6th day of October, 1954.

His Excellency the Governor General in Council, on the recommendation of the Minister of Finance and pursuant to section 18 of the Currency, Mint and Exchange Fund Act, is pleased to order as follows:

1. The Regulations for the examination and test of the coins of the currency of Canada, established by Order in Council P.C. 5689 of 8th November, 1949, are hereby revoked; and

2. The annexed "Regulations relating to the Trial of the Pyx" are hereby made and established in substitution for the regulations hereby revoked.

## REGULATIONS RELATING TO THE TRIAL OF THE PYX

1. These regulations may be cited as the Trial of the Pyx Regulations.

2. There shall be set apart one coin from each seven hundred and twenty ounces, troy, or part of seven hundred and twenty ounces, troy, of silver coin ready for issue delivered by the Coining and Medal Division of the Mint to the Mint Office at any one time.

3. The silver coins set apart under section 2 shall be kept together in packets and the packets shall forthwith be sealed at the Mint Office and there shall be endorsed on each packet the denomination and number and the date of receipt of the coins in the packet.

4. The sealed packets mentioned in section 3 shall remain in the custody of the Mint Office until the time fixed by section 5 for the production thereof for examination and test.

5. The Assay Commissioners shall meet on the first Tuesday in May in each year at the Mint to examine and test the weight and fineness of the coins in the sealed packets mentioned in section 3 set apart during the preceding calendar year.

6. The Minister of Trade and Commerce shall cause the standard weights and trial plates in his custody to be produced at the Mint at the time fixed by section 5 for an examination and test.

7. A Judge of the County Court of the County of Carleton in the Province of Ontario shall attend at the Mint at the time fixed by section 5 for each examination and test and when the Assay Commissioners appear before him he shall administer to each of them an oath in the following words:

"You shall well and truly, after your knowledge and discretion, make the assay of these moneys of silver, and truly report if these moneys are in weight and fineness according to the standard weights for weighing and testing the coins of Canada and the trial plates of pure silver used for determining the justness of the silver coinage of Canada in the custody of the Minister of Trade and Commerce and are in conformity with the Schedule to the Currency, Mint and Exchange Fund Act. So help you God."

**APPENDIX H—Concluded**

8. When the Assay Commissioners have taken the oath provided for in section 7 they shall proceed in accordance with sections 9 to 13 to examine and test the coins in the packets mentioned in section 5.

9. The Assay Commissioners shall ascertain that the coins in each packet correspond as to denomination and number with the endorsement on the respective packets and there shall be taken from each packet as many coins as they think necessary for the purposes of the examination and test.

10. The Assay Commissioners shall weigh or cause to be weighed in their presence each of the coins taken out for the purpose of examination and test so as to ascertain whether the coins are within the prescribed remedy as to weight.

11. The Assay Commissioners shall, after weighing the coins taken out for examination and test, melt the coins into an ingot and shall assay each ingot comparing them with the pure silver trial plates produced by the Minister of Trade and Commerce at the examination and test so as to ascertain whether the metal is within the remedy as to fineness.

12. The Assay Commissioners shall weigh the residue of the coins contained in the packets in bulk so as to ascertain whether the coins are within the remedy as to weight.

13. The Assay Commissioners shall then take from the residue mentioned in section 12 such number of coins as they think fit and weigh them and assay them separately.

14. The Assay Commissioners shall at the conclusion of the examination and test in accordance with sections 9 to 13 report in writing to the Minister of Finance in accordance with subsection (2) of section 18 of the Currency, Mint and Exchange Fund Act.

## APPENDIX J

CURRENCY, MINT AND EXCHANGE FUND ACT—PRODUCTION  
OF FIVE CENT NICKEL COIN RESUMED

VINCENT MASSEY  
(L.S.)

## CANADA

ELIZABETH THE SECOND, by the Grace of God of the United Kingdom,  
Canada and Her other Realms and Territories QUEEN, Head of the  
Commonwealth, Defender of the Faith.

TO ALL TO WHOM these Presents shall come or whom the same may in  
anywise concern,

GREETING:

## A PROCLAMATION

F. P. VARCOE } WHEREAS under the Currency, Mint and Exchange  
Deputy Attorney General, } Fund Act, the five-cent piece coined by the Royal  
Canada. } Canadian Mint for circulation in Canada is  
required to be of pure nickel with a standard weight of seventy grains with a  
remedy allowance of 2.00 grains.

AND WHEREAS due to the need to conserve nickel for urgent defence  
purposes, by Orders in Council P.C. 1608 of 4th April, 1951, and P.C. 4524 of  
19th November, 1952, provision was made for the coining of a Steel Five-Cent  
piece.

AND WHEREAS it is now deemed to be advisable in the public interest  
to discontinue the minting of the Five-Cent coin of Steel as the supply of nickel  
for coinage purposes is adequate.

AND WHEREAS section eight of The Currency, Mint and Exchange  
Fund Act, Chapter 40 of the Statutes of 1952, provides that Our Governor in  
Council may by Proclamation prescribe the dimensions and design of any coin.

NOW KNOW YE that by and with the advice of Our Privy Council for  
Canada We do hereby authorize and prescribe:

1. That a new coin of pure nickel, as a substitute for the Steel coin, be  
minted to the value of Five Cents;
2. That every Five-Cent Coin of Nickel shall have for the design of the  
obverse impression: the uncrowned effigy of Her Majesty Queen Elizabeth the  
Second with the inscription "ELIZABETH II Dei Gratia Regina" and for the  
reverse impression: a Beaver; above "5 CENTS" between two maple leaves  
and below "CANADA" and the date of the year, with a plain edge;
3. That every new Nickel Coin shall have twelve sides and shall be .822"—  
.824" across the parallel sides and .836"—.838" across the angles, and shall be  
of a weight prescribed by The Currency, Mint and Exchange Fund Act; and
4. That the said Nickel Five-Cent Coin shall be issued on and after  
January 1, 1955, and be accepted as the current five-cent coin.

**APPENDIX J—*Concluded***

OF ALL WHICH Our Loving Subjects and all others whom these Presents may concern are hereby required to take notice and to govern themselves accordingly.

IN TESTIMONY WHEREOF We have caused these Our Letters to be made Patent and the Great Seal of Canada to be hereunto affixed. WITNESS: Our Right Trusty and Well-beloved Counsellor, VINCENT MASSEY, Member of Our Order of the Companions of Honour, Governor General and Commander-in-Chief of Canada.

AT OUR GOVERNMENT HOUSE, in Our City of Ottawa, this Thirteenth day of May in the year of Our Lord One thousand nine hundred and fifty-four and in the Third year of Our Reign.

By Command,

C. STEIN,  
*Under Secretary of State.*









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CANADA

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DEPARTMENT OF FINANCE

# ROYAL CANADIAN MINT

Report  
For Calendar Year  
1955



EDMOND CLOUTIER, C.M.G., O.A., D.S.P.  
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY  
OTTAWA, 1956





CANADA

DEPARTMENT OF FINANCE

# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT

For Calendar Year  
1955

Published by Authority of Hon. W. E. Harris, M.P.  
Minister of Finance





## ROYAL CANADIAN MINT

The Honourable,

The Minister of Finance,  
Ottawa.

SIR :

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1955.

### COINAGE

The number of coins issued in 1955 was almost double the number issued in the previous year. During the first six months of the year under review the demand by the Bank of Canada for coins was very light, but commencing in July a steady increase in the requirements made overtime and shift work necessary during the last three months of the year.

Comparative statements of the issue and production of coins by denomination for the years 1954 and 1955 are shown hereunder:

#### COINAGE ISSUE IN 1954 AND 1955

Denomination	1954	1955
	\$	\$
SILVER COIN—		
1 dollar.....	262,494.00	274,810.00
50 cents.....	330,450.50	376,755.50
25 cents.....	752,021.25	2,388,126.25
10 cents.....	520,002.30	1,229,464.90
Total Silver.....	1,864,968.05	4,269,156.65
NICKEL COIN—		
5 cents.....	27.05	267,801.00
STEEL COIN—		
5 cents.....	350,229.50	
BRONZE COIN—		
1 cent.....	263,897.03	566,863.07
Total.....	2,479,121.63	5,103,820.72
Representing	Number of Pieces	
Total.....	42,526,337	84,917,802

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Bronze
	Dollar	50 Cents	25 Cents	10 Cents	5 Cents	1 Cent
	\$	\$	\$	\$	\$	\$
Calgary.....	7,000.00	1,000.00	317,000.00	85,000.00	11,400.00	46,500.00
Halifax.....	8,000.00	43,000.00	113,000.00	85,000.00	22,800.00	27,600.00
Montreal.....	47,000.00	21,000.00	582,000.00	197,000.00	36,900.00	177,300.00
Ottawa.....	17,700.00	36,574.50	237,551.00	230,829.90	42,735.40	27,570.07
Ottawa for Charlottetown.....						600.00
Ottawa for St. John's, Nfld.....	5,000.00	16,000.00	22,000.00	21,000.00	11,400.00	22,800.00
Regina.....	10,000.00	15,000.00	150,000.00	65,000.00	21,900.00	18,600.00
Saint John, N.B.....	6,000.00	35,000.00	100,000.00	40,000.00	10,500.00	13,980.00
Toronto.....	134,308.00	16,000.00	630,000.00	280,000.00	96,600.00	131,040.00
Vancouver.....	11,000.00	190,000.00	160,000.00	165,000.00	9,000.00	64,800.00
Winnipeg.....	17,000.00		75,000.00	60,000.00	4,200.00	36,000.00
Sundry Persons.....	11,802.00	3,181.00	1,575.25	635.00	365.60	73.00
Total.....	274,810.00	376,755.50	2,388,126.25	1,229,464.90	267,801.00	566,863.07

#### Coinage Production in 1954 and 1955

CANADA	1954	1955
	Pieces	Pieces
SILVER, 800 fine—		
1 dollar.....	246,606	268,105
50 cents.....	506,305	753,511
25 cents.....	2,318,891	9,552,505
10 cents.....	4,493,150	12,237,294
STEEL—		
5 cents.....	6,998,662	
NICKEL—		
5 cents.....		5,355,028
BRONZE—		
1 cent.....	22,181,760	56,403,193
	36,745,374	84,569,636

#### Worn and mutilated coin withdrawn from circulation:

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	45,337.10	4,223,819.55
Nickel Coin—5 cents (Mutilated only).....	1,724.90	266,076.10
Tombac Coin—5 cents.....	4,665.50	
Steel Coin—5 cents.....	1,046.15	
Bronze Coin.....	2,445.45	564,417.62

Details of the weights of silver bullion, copper and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized below:

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
	Ounces	Ounces	Ounces	Ounces
SILVER, 800 fine—				
1 dollar.....		230,610·10	74,685·36	201,176·43
50 cents.....		3,694·70	2,446·91	281,058·76
25 cents.....	637,423·90	733,272·20	552,767·95	1,784,466·56
10 cents.....	389,100·90	427,062·10	255,062·32	915,624·79
Total Silver....	1,026,524·80	1,394,639·10	884,962·54	3,182,326·54
	Pounds	Pounds	Pounds	Pounds
NICKEL—				
5 cents.....				52,779·79
BRONZE—				
1 cent.....	390,174·00	417,660·50	196,896·00	403,105·20
	Short Tons	Short Tons	Short Tons	Short Tons
	230·3	256·6	128·7	337·0

In addition to the 230·3 tons of coinage bars produced during the year, there were 20,882 ounces of worn and mutilated Canadian silver coins, which had been withdrawn from circulation, cast into 1,000 ounce ingots for assaying and conversion to 800 standard coinage bars; 1,934 pounds of bronze worn coin and 1,167 pounds of tombac five-cent coins were converted for use in one-cent coinage.

One hundred and eight thousand six hundred and fifty-two ounces of standard silver were cast in the large moulds for trial purposes.

The number of dies used in the production of coins of all denominations and the average production per pair of dies in 1954 and 1955 are shown in the comparative tables below:

Denomination	1954				1955			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	246,606	20	15	14,092	268,105	25	11	14,338
50 cents.....	506,305	11	14	40,504	753,511	21	26	32,064
25 cents.....	2,318,891	45	46	50,965	9,552,505	217	271	39,149
10 cents.....	4,493,150	147	120	33,657	12,237,294	281	217	49,145
5 cents.....	6,998,662	132	100	60,333	5,355,028	112	98	51,000
1 cent.....	22,181,760	55	71	352,091	56,403,193	215	150	309,058
	36,745,374	410	366		84,569,636	871	773	
	Average per pair of dies.....94,705				Average per pair of dies.....102,882			



## Designated Gold

During the year five mines deposited gold bullion at the Mint for storage under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for Custom Refining and Storing.

The fine gold content of the bullion deposited under this heading during 1955 amounted to 184,504·650 ounces. Fine bullion amounting to 190,747·901 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## BULLION

Six thousand one hundred and eight deposits of gold bullion were received at the Mint during the year from Canadian Mining Companies, the Assay Office, Royal Canadian Mint, Vancouver, B.C. and Sundry Persons. The gross weight of the deposits amounted to 4,878,918 ounces containing by assay 3,947,637 ounces fine gold and 581,839 ounces fine silver. This includes bullion received under the heading of Designated Gold. The receipts show an increase as compared with the year 1954 of 507 in the number of deposits, gross weight 110,467 ounces, gold content 118,206 ounces and fine silver 1,388 ounces and was composed of the following:

### *Fine Gold—*

174 deposits weighing 368,640·509 ounces with a mean fineness of 997·273

### *Crude Bullion—*

5,627 deposits weighing 4,473,046·216 ounces with an average fineness of 794·327 gold, 139·480 silver, and containing 6·6193% base metal

### *Scrap (Jewellery and Dental)—*

274 deposits, 22,757·614 ounces at an average fineness of 658·736 gold and 60·798 silver

### *From Vancouver Assay Office—*

33 ingots, 14,474·040 ounces gross at 825·445 gold and 114·580 silver

The net value paid to depositors was \$128,671,739·19. In addition the amount of fine gold issued to depositors was 199,618·645 ounces.

Details of origin of the bullion deposited for sale to the Mint at Vancouver and Ottawa during the year 1955 are shown in the following table:

From Canadian Mines and Refineries	Gross Weight	Fine Gold	Fine Silver
	Ounces	Ounces	Ounces
Ontario.....	2,759,279·850	2,318,167·948	307,365·50
Quebec.....	1,051,501·900	769,136·299	163,868·24
British Columbia.....	199,024·715	158,479·521	25,935·27
Manitoba.....	126,748·725	104,718·494	11,244·56
Yukon Territory.....	90,482·905	72,201·463	14,975·77
Nova Scotia.....	135·850	127·790	3·68
North West Territories.....	401,354·750	317,614·666	56,196·31
Alberta and Saskatchewan.....	269·585	213·524	21·16
Total from Canadian Mines and Refineries.....	4,628,798·280	3,740,659·705	579,610·49
From Jewellery and Scrap.....	23,008·524	15,110·304	1,192·19
Grand Total.....	4,651,806·804	3,755,770·009	580,802·68

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	Ounces Fine
9,367 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	3,740,285.766
Depositors—granulated and bars.....	199,618.645
Sales of fine gold.....	4,925.681
Proof Plate for assay purposes.....	8.000
Medals, etc.....	11.338
Sweep.....	7,915.055
	<u>3,952,764.485</u>

This total shows a decrease of 46,071.081 ounces fine issued as compared with the year 1954.

The following table gives details of rough bullion received and fine bullion produced during the year:

Receipts	Number of Deposits	Fine Gold	Fine Silver
		Ounces	Ounces
Mines.....	5,487	3,736,193.068	579,168.78
Vancouver Assay Office.....	33	11,947.526	1,513.70
Jewellery and Scrap.....	276	14,991.265	1,156.05
Designated—Mines.....	312	184,504.650	

Produced	Number	Gross Weight	Fine Weight	Average Assay
		Ounces	Ounces	
Fine Gold Bars.....	9,213	3,691,283.975	3,681,346.466	997.3
Granulated Gold.....		9,268.045	9,266.032	999.8
Fine Silver Bars.....	531	603,166.13	603,023.16	999.8
Silver—Special Bars.....			3.22	
Special Gold Bars.....	9	3,789.280	3,781.798	998.0
Designated Gold Bars.....	394	157,778.333	157,736.252	999.7
Designated Granulated Gold.....		29,959.657	29,953.748	999.8

Special Processes	Number	Gross Weight
		Ounces
Remelts.....	297	222,473.900
		Pounds Avoirdupois
Chloride Reduction.....		84,033.00
Sweeps.....		121,630.50

Details of the assays, etc., made during the year are shown hereunder.

*Gold—*

Refinages.....	5,507	
Rough Gold.....	35,503	
Proofs.....	3,543	
Parting Proofs.....	885	
Parting Buttons.....	12,555	
Miscellaneous.....	2,365	
	<u>60,358</u>	

*Silver—*

Standard Bars.....	2,397	
Pyx.....	1,885	
Proofs.....	470	
Fine Silver.....	548	
Worn Coin.....	75	
Miscellaneous.....	117	
	<u>5,492</u>	

*Miscellaneous—*

For the Marking Act Inspector.....	29	
Mint Residues (sweeps, etc.).....	791	
	<u>820</u>	
Total.....	<u>66,670</u>	

The mean finenesses of the Silver Coinage struck in 1955 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	799.64
50 cents.....	800.00	799.41
25 cents.....	800.00	799.19
10 cents.....	800.00	799.50

## MEDALS

Three hundred and twenty-eight ounces of sterling silver were cast into bars for Governor General's Medals and 2,560 ounces of silver, 800 fine, for other medals. Five thousand seven hundred and fifteen pounds of tombac were melted and cast into bars for medals.

The following medal and miscellaneous master dies were made:

New reverse for Royal Canadian Mounted Police Long Service Medal;  
Governor General's Chartered Accountancy Award;  
Patent Office Seal; and  
Signature dies for Bank of Canada.

At the request of the Commissioner of the Royal Canadian Mounted Police, the reverse of their Long Service Medal was changed to conform with their new badge which now bears the St. Edward Crown. The new die was cut in the steel by hand.

At the request of the Canadian Institute of Chartered Accountants, dies were made for a medal to be awarded by His Excellency the Governor General. The obverse of the medal shows the Shield of the Arms of Canada with the St. Edward Crown, surrounded by the words "The Governor General's Chartered Accountancy Award". The reverse is blank until the inscription of award is engraved.

A new seal and counter was made for the Patent and Copyright Office of the Department of the Secretary of State. It depicts the spade type shield of the Arms of Canada surmounted by the St. Edward Crown. "Patent Office—Bureau des Brevets—Canada" is spaced around the circumference.

Master punches were engraved by hand for the preparation of signature plates required by officials of the Bank of Canada. One hundred and two plates were produced for the Bank.

The following medals were struck and issued during 1955:

For the Department of National Defence— Canadian Forces Decoration, tombac.....	9,006
For the Royal Canadian Mounted Police— Long Service and Good Conduct Medals, silver, 800 fine.....	67
For the Professional Institute of the Public Service of Canada, 14 kt. gold.....	1
For the Royal Society of Canada.....	4
One Flavelle Medal, 14 kt. gold	
One Tyrell Medal, fine gold	
One Henry Marshall Tory Medal, 18 kt. gold	
One Willet G. Miller Medal, 18 kt. gold	
For the Department of Transport— Patterson Medal, sterling silver.....	1
For the Canadian Institute of Chartered Accountants— Chartered Accountancy Award, 18 kt. gold.....	1
For the Royal Architectural Institute of Canada.....	10
One Massey Medal for Architecture, gold finish	
Nine Massey Medals for Architecture, silver finish	
For the Engineering Institute of Canada.....	9
One Gzowski Medal, 10 kt. gold	
One Leonard Medal, 10 kt. gold	
One Ross Medal, 10 kt. gold	
Three Plummer Medals, 10 kt. gold	
One Sir John Kennedy Medal, tombac	
Two Julian C. Smith Medals, tombac	
For His Excellency the Right Honourable Vincent Massey, C.H.— Governor General's Medals, silver, 925 fine (gilded).....	10
Governor General's Medals, silver, 925 fine.....	78
Governor General's Medals, tombac toned.....	246
Governor General's Crests, silver, 925 fine (gilded).....	60
Governor General's Crests, silver, 925 fine.....	24
For the Art Directors Club— Art Directors Club Medals, silver, 925 fine.....	6

All medals issued to the Royal Canadian Mounted Police, Engineering Institute of Canada, Royal Society of Canada, Professional Institute of the Public Service of Canada, Department of Transport, Canadian Institute of Chartered Accountants and the Royal Architectural Institute of Canada were engraved with the name of the recipient.

## PLANT AND EQUIPMENT

The two batch type furnaces in the blank annealing section were discarded and replaced by one rotary hearth, electric resistance heated furnace. A controlled atmosphere, to prevent oxidation, is supplied to the furnace by a generator using manufactured gas. The installation of this furnace has improved the quality of annealed blanks and has increased production per man hour over fifty percent.

The strip annealing furnace for use when rolling large silver bars was installed and went into experimental operation at the close of the year. It is a resistance heated, batch type furnace, having a roller hearth with water cooled roll bearings. The chamber size is 2 feet wide, 1 foot high and 16 feet long, with an hydraulic roof-lifting mechanism for servicing. The working



temperature is 1350° F. and the furnace is rated at 150 KW at 550 volt, 3 phase, 60 cycle. A gas generator, using manufactured gas, supplies a controlled atmosphere to the furnace. Handling of the bars and coils in and out of the furnace and through the water quench is done by power driven equipment, thus keeping the manual labour to a minimum.

A third high speed punch press has been installed in the blanking section. This machine, in conjunction with certain contemplated die-set changes, will bring our blanking section in line with the capacity of the new rolling mills.

Vibration isolators have been installed on ten of the coining presses. These isolators consist of adjustable springs and live rubber. They have successfully eliminated transmission of the vibration to the building. Since the coining presses are mounted on a concrete slab over the basement, the vibration, previous to the installation of the isolators, was causing some concern as to eventual damage to the building.

In addition to the abovementioned equipment, all of which was installed by Mint craftsmen, smaller items were produced in our own shops as follows:

Inspection belt for blanking section;  
Coil holders for blanking section;  
Ventilation fans and hoods for blank annealer;  
Ventilation fans and hoods for strip annealer;  
Ventilation hoods for the gold refinery; and  
Oil burners for the gold refinery.

All the above, in addition to the current maintenance work necessary to the production of eighty-four and one-half million coins, and three and three-quarter million ounces of fine gold, kept the mechanical and electrical sections of the staff fully occupied during the year.

### ASSAY OFFICE, VANCOUVER, B.C.

Disbursements for the purchase of gold bullion deposited for January, February and March amounted to \$155,519.13.

The following table gives particulars as to the source, weights, etc., of the deposits:

Source	Number of Deposits	Gross Weight	Fine Gold	Fine Silver
		Ounces	Ounces	Ounces
Yukon Territory.....	7	1,363.78	673.187	163.26
British Columbia.....	27	4,228.33	3,769.329	276.28
Alberta.....	3	29.76	24.121	2.17
Jewellery and Dental Scrap.....	16	250.91	119.039	36.14
Totals.....	53	5,872.78	4,585.676	477.85

### COMPARATIVE STATEMENTS

(1) Totals for Each Year under above headings, 1947 to 1955 inclusive

1947.....	578	76,041.64	59,739.223	11,595.18
1948.....	621	110,223.80	88,267.384	15,725.07
1949.....	708	135,157.31	107,522.943	20,564.73
1950.....	777	161,652.46	130,023.960	23,400.03
1951.....	636	146,631.06	119,061.818	20,800.85
1952.....	549	135,120.12	110,609.496	19,354.15
1953.....	507	116,590.74	95,149.452	16,154.16
1954.....	546	128,962.98	105,197.293	18,643.42
* 1955.....	53	5,872.78	4,585.676	477.85

\* For January, February and March only.



## (2) Totals for Each Year, 1947 to 1955 inclusive, disbursed for Gold Bullion Purchases

1947.....	\$2,081,867.67
1948.....	3,077,555.15
1949.....	3,903,665.49
1950.....	4,922,946.70
1951.....	4,385,194.32
1952.....	3,742,509.52
1953.....	3,274,129.18
1954.....	3,567,057.77
1955 (January, February and March only).....	155,519.13

The Assay Office at Vancouver, B.C. was closed effective 1st April, 1955. Depositors formerly shipping to this Office now ship their bullion direct to the Refinery at Ottawa for treatment.

## GENERAL

Stocktaking of the store of bullion and coin by the Auditor General was not undertaken during the period covered by this Report.

The Assay Commissioners, Mr. W. R. Inman of the Mineral Dressing and Process Metallurgy Division, Mines and Technical Surveys Department, Dr. J. Hart of the Division of Physics, National Research Council, and Dr. M. E. Bednas of the Division of Applied Chemistry, National Research Council, appointed under the provisions of the Act respecting Currency, the Royal Canadian Mint and the Exchange Fund, for the purpose of ascertaining that coins of the Currency of Canada struck at the Royal Canadian Mint during 1954 had been minted in accordance with the provisions of the said Act, were sworn in by His Honour, Judge A. G. McDougall, on the 3rd day of May, 1955.

The findings of the Commissioners indicated that the coins, both as to weight and fineness, conformed with the standards established by the Currency, Mint and Exchange Fund Act.

Twelve suspected coins were received from the Royal Canadian Mounted Police for examination. Five of the coins were found to be counterfeit.

The number on the staff as at 31st December, 1955, was 196. Of this number 26 were employed in the Administrative and Mint Office, 118 in the Coining and Medal Division, 16 in the Assay Division and 36 in the Refinery.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, net circulation of coin in Canada, financial statements for the calendar year 1955, Orders-in-Council respecting the Redemption of Subsidiary Coin and Amendment to the Mint Custom Refining and Storing Regulations are appended herewith.

I am, Sir,

Your obedient Servant,

A. P. WILLIAMS,

*Master, Royal Canadian Mint.*

## APPENDIX A

Summary of Transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931 to December 31, 1955.

YEAR	GOLD RECEIVED		GOLD ISSUED	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1945.	100,250,545.803	80,939,594.106	383,319.096	80,462,408.612
1946.	3,271,246.445	2,652,244.865		2,665,964.763
1947.	3,559,496.703	2,868,469.014		2,859,084.218
1948.	4,252,389.454	3,401,991.441		3,405,073.335
1949.	4,941,749.248	3,925,617.709		3,865,296.377
1950.	5,485,956.751	4,422,968.129		4,347,961.898
1951.	5,246,758.942	4,169,479.513		4,167,485.874
1952.	4,848,048.381	3,953,158.154		4,031,068.071
1953.	4,642,410.478	3,684,073.637		3,626,496.738
1954.	4,768,451.365	3,829,430.609		3,998,835.566
1955.	4,878,918.379	3,947,636.509		3,952,764.485
	146,145,971.949	117,794,663.686	383,319.096	117,382,439.937

# APPENDIX B (1) COIN ISSUED IN CANADA

		SILVER							
		Dollar \$	50¢ \$	25¢ \$	20¢ \$	10¢ \$	5¢ \$	Total Silver \$	
1858 to 1907	{ New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada, 1858-1907. }				60,000	25,000	10,000	95,000	
			1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996	
			1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996	
Totals.....									
		GOLD							
		Sover- eigns £	\$10 \$	\$5 \$					
1908									
to									
1944		627,834	3,480,380	1,388,070	2,285,852	23,332,725.00	14,347,444.00	51,750,723.00	
1945					38,300	1,324,000.00	1,074,000.00	3,416,300.00	
1946					91,000	556,000.00	654,000.00	1,701,000.00	
1947					67,000	397,000.00	444,000.00	1,186,000.00	
1948					29,956	1,732,000.00	1,020,000.00	2,829,956.00	
1949					641,840	1,966,000.50	1,112,000.60	4,148,842.10	
1950					299,713	2,394,027.00	1,794,011.40	5,641,805.40	
1951					411,823	2,105,240.00	1,458,115.10	5,213,677.10	
1952					402,344	2,225,737.00	1,101,312.90	4,869,552.40	
1953					1,062,728	2,462,165.50	1,705,771.70	6,138,685.70	
1954					262,494	752,021.25	520,002.30	1,864,968.05	
1955					274,810	2,388,126.25	1,229,464.90	4,269,156.65	
Totals.....		627,834	3,480,380	1,388,070	5,867,860	46,730,020.50	29,525,122.90	105,585,662.40	

APPENDIX B (2)  
COIN ISSUED IN CANADA

	Nickel 5¢ \$	Tombac 5¢ \$	Steel 5¢ \$	Bronze	
				1¢ \$	$\frac{1}{2}$ ¢ \$
1858 to 1907	{ New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada, 1858-1907. }	{ Struck in England }		20,000	1,114
				26,000	4,000
				10,000	
			803,315		
				859,315	5,114
Totals.....					
1908 to 1944	4,857,775.50	1,407,824.50	571,000.00 950,300.00	6,092,406.00 748,500.00 528,500.00 360,300.00 708,300.00 321,901.02 607,003.08 783,329.12 683,820.86 655,129.75 831,914.75 350,229.50	
1945	291,500.00				
1946	391,000.00				
1947	615,500.00				
1948	637,500.10				
1949	640,510.40				
1950	423,003.20				
1951	597.80		182,829.35		
1952	233.75		576,965.00		
1953	27.05		831,914.75		
1954	267,801.00		350,229.50		
1955				566,863.07	
	8,125,448.80	1,407,824.50	3,463,238.60	13,179,264.93	5,114

# APPENDIX C

## CIRCULATION OF CANADIAN COIN AS AT 31ST DECEMBER, 1955

15

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905	10,487,774				701,429	11,279,203	1.85
1910	14,327,662				967,353	15,295,015	2.03
1915	18,588,573				1,212,588	19,801,161	2.51
1920	28,384,850				1,895,783	30,280,633	3.51
1925	27,713,019 <sup>1</sup>				2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525			2,297,405	32,354,260	3.17
1935	28,407,168	2,449,278			2,818,341	33,674,787	3.11
1936	28,442,074	2,650,891			2,904,288	33,997,253	3.10
1937	29,387,857	2,899,361			3,003,286	35,290,504	3.20
1938	30,482,924	3,051,594			3,091,873	36,626,391	3.28
1939	32,236,145	3,355,906			3,276,771	38,868,822	3.45
1940	36,944,040	4,015,232			4,092,234	45,051,506	3.96
1941	40,339,221	4,467,463			4,648,567	49,455,251	4.30
1942	44,011,038	4,827,596	169,424		5,422,131	54,430,189	4.67
1943	51,009,046	4,826,033	1,407,424		6,300,627	63,543,130	5.39
1944	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62

<sup>1</sup> Decrease due to withdrawal of worn and mutilated silver coins from circulation.



## APPENDIX D

ROYAL CANADIAN MINT  
COINAGE AND BULLION OPERATIONS, 1955

## GOLD BULLION

	Fine Ounces	Value	Fine Ounces	Value
Gold on hand, December 31, 1954.....			109,328.443	\$ 3,750,870.59
Gold purchased at various rates.....			3,763,170.874	129,796,111.47
Gain in operations.....			230.806	7,937.85
			<u>3,872,730.123</u>	<u>\$ 133,554,919.91</u>
Less: Gold sold at various rates.....	3,762,016.584	\$ 129,767,099.87		
Adjustment in valuation of gold.....		21,256.11		
	<u>                    </u>	<u>                    </u>	<u>3,762,016.584</u>	<u>129,788,355.98</u>
Balance on hand at December 31, 1955.....			<u>110,713.539</u>	<u>\$ 3,766,563.93</u>

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1954.....		\$ 453,753.40
Bullion purchased.....		512,473.03
Treatment charges—Sweep.....		5,040.72
		<u>\$ 971,267.15</u>
Less: Bullion transferred to silver coinage account.....	\$ 219,300.66	
Bullion sold.....	25,456.03	
Net loss on operations.....	<u>3,374.84</u>	
		<u>248,131.53</u>
Balance, December 31, 1955.....		<u>\$ 723,135.62</u>

## SILVER COINAGE ACCOUNT

Balance, December 31, 1954.....	\$ 3,185,650.99
Bullion and alloy purchased or transferred.....	219,300.66
Worn coin purchased (withdrawn for recoinage).....	48,797.07
Net gain on coinage credited to Consolidated Revenue Fund.....	<u>2,101,144.15</u>
	<u>\$ 5,554,892.87</u>
Less: Coin sold.....	4,269,156.65
Balance, December 31, 1955.....	<u>\$ 1,285,736.22</u>

## NICKEL COINAGE ACCOUNT

Balance, December 31, 1954.....	\$ 17,435.36
Metal purchased.....	142,613.70
Mutilated coin purchased.....	1,602.84
Net gain on coinage credited to Consolidated Revenue Fund.....	<u>187,597.74</u>
	<u>\$ 349,249.64</u>
Less: Coin sold.....	267,801.00
Balance, December 31, 1955.....	<u>\$ 81,448.64</u>

APPENDIX D—*Concluded*

## BRONZE COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1954.....		\$ 172,509.70
Metal purchased.....		44,075.82
Worn coin purchased (withdrawn for recoinage).....		7,042.54
Toll charges on copper residues.....		1,149.59
Net gain on coinage credited to Consolidated Revenue Fund.....		407,450.69
		<hr/>
		\$ 632,228.34
Less: Coin sold.....	\$ 566,863.07	
Metal in medals sold.....	217.17	
	<hr/>	567,080.24
		<hr/>
Balance, December 31, 1955.....		\$ 65,148.10
		<hr/>

## STEEL COINAGE ACCOUNT

Balance, December 31, 1954.....		\$ 1,761.63
Mutilated coin purchased.....		991.85
		<hr/>
		\$ 2,753.48
Less: Metal sold.....	\$ 9.66	
Net loss on operations.....	1,939.25	
	<hr/>	1,948.91
		<hr/>
Balance, December 31, 1955.....		\$ 804.57
		<hr/>

## APPENDIX E

### FINANCIAL STATEMENT

#### STATEMENT OF INCOME AND EXPENDITURES FOR THE YEAR ENDED 31 DECEMBER, 1955

## INCOME:

## Gold

Refining and Assaying charges.....	\$ 169,220.46	
Handling charges.....	754,372.45	
Charges—Storage, Packing, Sales, etc.....	29,505.59	
		\$ 953,098.50

## Coinage

## Net Gain on:

Silver Bullion—Coinage and Medals.....	2,097,769.31
Bronze Coinage.....	407,450.69
Nickel Coinage.....	187,597.74

2,692,817.74

Less Loss on steel coinage.....	1,939.25
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2,690,878.49

Charges—manufacturing Medals, etc.....

16,736.48

Proceeds from Sales—medal cases, etc.....

668.20

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\$ 3,661,381.67

## EXPENDITURES :

Salaries.....	\$ 772,417.03
Travelling Expenses.....	2,069.87
Express on Coin Shipments.....	30,242.70
Freight, Express and Cartage.....	1,660.88
Postage.....	14.90
Telephones and Telegrams.....	263.01
Printing of Annual Report.....	231.44
Office Stationery, Supplies and Equipment.....	3,261.98
Supplies—Coinage and Medal work.....	18,135.79
Refining and Assaying.....	45,020.85
Acquisition of Equipment.....	124,930.15
Repairs and Upkeep of Equipment.....	16,778.87
Power, Light and Gas.....	24,391.16
Sundries.....	2,551.12
Total Expenditures.....	<hr/> \$ 1,041,969.75 <hr/>

Excess of income over expenditures in the year ended December 31, 1955. \$ 2,619,411.92

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NOTE:—The total shown for income does not reflect the value of services rendered free of charges to other departments, nor does the total shown for expenditures reflect any charges for premises owned by the Government and occupied by the Mint or for certain accounting and miscellaneous services provided by other departments.

## APPENDIX F

CURRENCY, MINT AND EXCHANGE FUND ACT—REDEMPTION  
OF SUBSIDIARY COIN

P.C. 1955-84

THURSDAY, the 20th day of January, 1955.

PRESENT :

HIS EXCELLENCY THE GOVERNOR GENERAL IN COUNCIL

His Excellency the Governor General in Council, on the recommendation of the Minister of Finance and pursuant to subsection (2) of section 8 of the Currency, Mint and Exchange Fund Act, is pleased to order as follows:

1. The Regulation established by Order in Council P.C. 1954-1668 of 3rd November, 1954, respecting the redemption of subsidiary coin, is hereby revoked; and

2. The following Regulation respecting the Redemption of Subsidiary Coin is hereby made and established in substitution for the regulation hereby revoked.

Subsidiary coin of Canada that has been called in or that is unfit for circulation is redeemable at face value if it is identifiable as coin authorized for circulation in Canada as described in subsection (1) of section 6 of the CURRENCY, MINT AND EXCHANGE FUND ACT, but the Minister, or such other person as the Minister may designate may refuse to redeem any such coin if it appears to have been wilfully or maliciously mutilated or defaced.

## APPENDIX G

CURRENCY, MINT AND EXCHANGE FUND ACT—AMENDMENT,  
MINT CUSTOM REFINING AND STORING REGULATIONS

P.C. 1955-649

THURSDAY, the 5th day of May, 1955.

PRESENT :

HIS EXCELLENCY THE GOVERNOR GENERAL IN COUNCIL

His Excellency the Governor General in Council, on the recommendation of the Minister of Finance and pursuant to the Currency, Mint and Exchange Fund Act, is pleased to amend the Mint Custom Refining and Storing Regulations made and established by Order in Council P.C. 1954-1619 of 28th October 1954, and the said Regulations are hereby amended by deleting from subsection (1) of section 4 the word "or" at the end of paragraph (b) thereof, by adding the word "or" at the end of paragraph (c) thereof, and by adding thereto immediately after paragraph (c) thereof, the following new paragraph (d):

- (d) for sale, either directly or indirectly, to the International Monetary Fund, to the Bank for International Settlements, or to a central bank of any country other than Canada, for the purpose of being held in safe-keeping in Canada or for the purpose of being exported from Canada in accordance with a licence issued under the Gold Export Act.



Government  
Publications



EDMOND CLOUTIER, C.M.G., O.A., D.S.P.  
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY  
OTTAWA, 1957





DEPARTMENT OF FINANCE

# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT.

For Calendar Year  
1956

Published by Authority of Hon. W. E. Harris, M.P.  
Minister of Finance





## ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
Ottawa.

SIR:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1956.

### COINAGE

Comparative statements of the issue and production of coins by denomination for the years 1955 and 1956 are shown hereunder:

#### COINAGE ISSUE IN 1955 AND 1956

Denomination	1955	1956
	\$	\$
SILVER COIN—		
1 dollar.....	274,810.00	209,092.00
50 cents.....	376,755.50	689,749.50
25 cents.....	2,388,126.25	2,817,338.25
10 cents.....	1,229,464.90	1,673,284.40
Total Silver.....	4,269,156.65	5,389,464.15
NICKEL COIN—		
5 cents.....	267,801.00	469,992.70
BRONZE COIN—		
1 cent.....	566,863.07	786,855.35
Total.....	5,103,820.72	6,646,312.20
Representing	Number of Pieces	
Total.....	84,917,802	117,676,177

#### Coinage Production in 1955 and 1956

CANADA	1955	1956
	Pieces	Pieces
SILVER, 800 fine—		
1 dollar.....	268,105	209,092
50 cents.....	753,511	1,379,499
25 cents.....	9,552,505	11,269,353
10 cents.....	12,237,294	16,732,844
NICKEL—		
5 cents.....	5,355,028	9,399,854
BRONZE—		
1 cent.....	56,403,193	78,685,535
	84,569,636	117,676,177

## Worn and mutilated coin withdrawn from circulation

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	41,443.60	5,348,020.55
Nickel Coin—5 cents (Mutilated only).....	1,285.80	468,706.90
Tombac Coin—5 cents.....	3,044.45	
Steel Coin—5 cents.....	930.75	
Bronze Coin.....	1,381.17	785,474.18

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Bronze
	Dollar \$	50 Cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Calgary.....	6,000.00	46,000.00	248,000.00	113,000.00	57,900.00	47,100.00
Halifax.....	10,000.00	77,000.00	163,000.00	88,000.00	49,800.00	41,400.00
Montreal.....	26,400.00	56,000.00	735,000.00	71,000.00	63,600.00	281,520.00
Ottawa.....	8,120.00	7,239.00	269,083.75	304,379.60	67,541.80	39,119.67
Ottawa for Charlottetown.....			1,000.00	3,000.00	300.00	460.00
Ottawa for St. John's, Nfld.....		20,000.00	20,000.00	25,000.00	5,100.00	24,900.00
Regina.....	8,000.00	35,000.00	238,000.00	107,000.00	46,800.00	32,400.00
Saint John, N.B.....	5,000.00	42,000.00	107,000.00	26,000.00	10,500.00	16,800.00
Toronto.....	85,400.00	133,000.00	569,000.00	672,000.00	84,900.00	179,760.00
Vancouver.....	24,000.00	269,000.00	191,000.00	156,000.00	56,700.00	74,700.00
Winnipeg.....	21,000.00		274,000.00	107,000.00	26,400.00	48,600.00
Sundry Persons.....	15,172.00	4,510.50	2,254.50	904.80	450.90	95.68
Total.....	209,092.00	689,749.50	2,817,338.25	1,673,284.40	469,992.70	786,855.35

The table below summarizes the details of weights of silver bullion, copper, and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced:

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
	Ounces	Ounces	Ounces	Ounces
SILVER, 800 fine—				
1 dollar	7,523,579.20	7,685,002.00	163,239.29	156,835.57
50 cents			236,527.11	514,787.99
25 cents			2,564,037.90	2,115,400.36
10 cents			1,321,151.62	1,258,556.38
Total Silver....	7,523,579.20	7,685,002.00	4,284,955.92	4,045,580.30
	Pounds	Pounds	Pounds	Pounds
NICKEL—				
5 cents.....				93,183.42
BRONZE—				
1 cent.....	993,623.00	1,013,123.50	611,240.00	563,868.92
	Short Tons 754.8	Short Tons 770.0	Short Tons 452.5	Short Tons 467.2

During the year 48,000 ounces of worn and mutilated Canadian silver coins, which had been withdrawn from circulation, were cast into 1,000 ounce ingots for assaying and conversion to 800 standard coinage bars; 898 pounds of bronze worn coin and 545 pounds of tombac five-cent coins were converted for use in one-cent coinage.

Ninety-six ounces of gold proof plate and 53 ounces of silver proof plate were rolled; 4,297 ounces of fine silver discs and 975 pounds of lead discs were rolled and cut for the use of the Assay Division.

Beginning at the first of the year every effort was made to cast silver alloy bars in the large moulds and still be able to satisfy the assay requirements, and it was not until the year was well advanced that full production of silver coins from the large bars was started.

The tables below show the number of obverse and reverse dies used in the production of coins of each denomination and the average production per pair of dies in 1955 and 1956.

Denomination	1955				1956			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	268,105	25	11	14,338	209,092	52	28	5,227
50 cents.....	753,511	21	26	32,064	1,379,499	53	36	31,000
25 cents.....	9,552,505	217	271	39,149	11,269,353	189	247	51,694
10 cents.....	12,237,294	281	217	49,145	16,732,844	243	169	81,227
5 cents.....	5,355,028	112	98	51,000	9,399,854	120	87	90,820
1 cent.....	56,403,193	215	150	309,058	78,685,535	211	171	411,966
	84,569,636	871	773		117,676,177	868	738	
	Average per pair of dies..... 102,882				Average per pair of dies..... 146,546			

## DESIGNATED GOLD

During the year five mines deposited gold bullion at the Mint for storage under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for Custom Refining and Storing.

The fine gold content of the bullion deposited under this heading during 1956 amounted to 244,483.954 ounces. Fine bullion amounting to 253,130.311 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## BULLION

Five thousand eight hundred and fifty-nine deposits of gold bullion were received at the Mint during the year from Canadian Mining Companies and Sundry Persons. The gross weight of the deposits amounted to 4,693,485 ounces containing by assay 3,801,789 ounces fine gold and 539,986 ounces fine silver. This includes bullion received under the heading of Designated Gold. The receipts show a decrease as compared with the year 1955 of 249 in the number

of deposits, gross weight 185,433 ounces, gold content 145,848 ounces and fine silver 41,853 ounces and was composed of the following:

*Fine Gold—*

123 deposits weighing 336,990.991 ounces with a mean fineness of 997.026

*Crude Bullion—*

5,397 deposits weighing 4,319,795.702 ounces with an average fineness of 796.191 gold, 134.704 silver, and containing 6.9105% base metal

*Scrap (Jewellery and Dental)—*

334 deposits, 15,759.275 ounces at an average fineness of 449.802 gold and 91.983 silver

*From the Bank of Canada—*

5 deposits of fine and standard gold weighing 20,938.561 ounces with a mean gold fineness of 923.110

The net value paid to depositors was \$121,572,555.94. In addition the amount of fine gold issued to depositors was 275,864.782 ounces.

Details of origin of the bullion deposited for sale to the Mint during the year 1956 are shown in the following table:

From Canadian Mines and Refineries	Gross Weight	Fine Gold	Fine Silver
	Ounces	Ounces	Ounces
Ontario.....	2,694,183.384	2,215,688.034	298,874.28
Quebec.....	832,462.950	643,769.631	121,333.90
British Columbia.....	193,133.250	155,126.980	25,336.14
Manitoba.....	118,875.250	96,624.884	9,880.14
Yukon Territory.....	89,336.725	71,645.864	14,400.43
Nova Scotia.....	93.100	84.890	2.50
North West Territories.....	448,572.275	347,828.427	68,852.47
Alberta and Saskatchewan.....	152.425	119.005	14.14
Total from Canadian Mines and Refineries.....	4,376,809.359	3,530,887.715	538,694.00
From Jewellery and Scrap.....	36,697.836	26,417.146	1,291.99
Grand Total.....	4,413,507.195	3,557,304.861	539,985.99

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	Ounces Fine
8,745 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	3,490,793.451
Depositors—granulated and bars.....	275,864.782
Sales of fine gold.....	5,003.412
Proof Plate for assay purposes.....	4.000
Medals, etc.....	13.535
Sweep.....	2,920.277
	3,774,599.457

This total shows a decrease of 178,165.028 ounces fine issued as compared with the year 1955.



The following table gives details of rough bullion received and fine bullion produced during the year:

Receipts	Number of Deposits	Fine Gold	Fine Silver
		Ounces	Ounces
Mines.....	5,181	3,530,887.715	538,694.00
Jewellery and Scrap.....	339	26,417.146	1,291.99
Designated—Mines.....	339	244,483.954	.....

Produced	Number	Gross Weight	Fine Weight	Average Assay
		Ounces	Ounces	
Fine Gold Bars.....	8,822	3,528,817.550	3,520,521.939	997.6
Granulated Gold.....		16,980.270	16,976.273	999.8
Fine Silver Bars.....	453	508,778.04	508,643.44	999.7
Granulated Silver.....		13,947.43	13,943.67	999.7
Gold Medals.....			52.244	.....
Silver Medals.....			214.55	.....
Designated Gold Bars.....	599	240,209.725	240,112.523	999.6
Designated Granulated Gold.....		24,250.095	24,244.532	999.8

Special Processes	Number	Gross Weight
		Ounces
Remelts.....	249	168,457.487
Toughenings.....	4	418.450
		Pounds
		Avoirdupois
Chloride Reduction.....		80,915.00
Sweeps.....		105,546.00

Details of the assays, etc., made during the year are shown hereunder.

*Gold—*

Refinages.....	4,852	
Rough Gold.....	34,150	
Proofs.....	3,192	
Parting Proofs.....	828	
Parting Buttons.....	12,104	
Miscellaneous.....	1,922	
		57,048

*Silver—*

Standard Bars.....	13,552	
Pyx.....	2,389	
Proofs.....	773	
Fine Silver.....	980	
Worn Coin.....	96	
Miscellaneous.....	183	
		17,973

*Miscellaneous—*

For the Marking Act Inspector.....	17	
Mint Residues (sweeps, etc.).....	772	
		789
		75,810

The mean finenesses of the Silver Coinage struck in 1956 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	799.89
50 cents.....	800.00	798.99
25 cents.....	800.00	799.20
10 cents.....	800.00	799.28

Samples from thirty-five lots of nickel blanks (7,000,000 pieces) were assayed and found to satisfy specifications.

Nineteen suspected coins were received from the Royal Canadian Mounted Police and sundry individuals. Of these, two 50c pieces and nine 25¢ pieces were found to be counterfeit.

Seventeen medals, two sets of replicas and two hundred and twenty-eight crests were gold-plated.

Two working trial plates, one each of gold and silver, were made and fixed against our standards. A second gold proof was made but has not yet been standardized. Four ounces of gold trial plate was sold during the year.

## MEDALS

Three hundred and forty pounds of tombac were cast into bars for Governor General's Medals.

The following medal and miscellaneous master dies were made:

The Great Seal of Canada; and

Six pairs of dies for various sizes of clasps for the Royal Canadian Mounted Police Long Service Medal.

At the request of the Secretary of State, the new Great Seal of Canada was produced from the artist's model. The Seal was designed by Mr. Eric Aldwinkle and depicts Her Majesty crowned and robed, seated on the Throne and holding in her hands the symbols of office.

This is the first time that the Great Seal has been made in Canada. A new process for producing the model used on the three-dimensional pantograph machine was evolved. The standard practice is to use a copper and nickel electrotype taken off the artist's model. This is a long, tedious process and usually requires several attempts before a satisfactory electrotype is produced. Instead of using the copper-nickel electrotype, many experiments were made to find a material which would give a satisfactory reproduction from the plaster model and also be suitable for use on the engraving machine. Acrylic plastic was finally selected as the material most suitable for our purpose. By the use of a parting agent the plastic comes cleanly away from the plaster and retains all the fine detail essential to this type of work. It has a free gliding surface which stands up well to the pressure of the tracer without seeming to produce any appreciable wear of the tool. The same acrylic plastic was used for the counter seal and seems to be standing up well in service.

Designs, dies and production tools were made for clasps to be awarded in connection with the Royal Canadian Mounted Police Long Service Medal. The clasps are plain and produced in two sizes in 18 kt. gold with three stars, in sterling silver with two stars and in bronze with one star.

Forty-eight signature plates were produced for the Bank of Canada.

The following medals were struck and issued during 1956:

For the Department of Defence Production— Canadian Forces Decoration, tombac.....	4,000
For the Department of National Defence— Canadian Efficiency Medals.....	10
Long Service and Good Conduct Medals (Military).....	14
For the Royal Canadian Mounted Police— Long Service and Good Conduct Medals, silver, 800 fine.....	160
Star Clasps, 18 kt. gold.....	35
Undress Ribbon Star Clasps, 18 kt. gold.....	70
Star Clasps, silver, 925 fine.....	150
Undress Ribbon Star Clasps, silver, 925 fine.....	300
Star Clasps, bronze.....	600
Undress Ribbon Star Clasps, bronze.....	1,500
For the Professional Institute of the Public Service of Canada— Medals, 14 kt. gold.....	2
Replicas of Medal, thin copper, gold plated.....	2
For the Royal Society of Canada.....	3
One Flavelle Medal, 14 kt. gold	
One Tyrrell Medal, fine gold	
One Lorne Pierce Medal, 14 kt. gold	
For the Canadian Institute of Chartered Accountants— Chartered Accountancy Award, 18 kt. gold.....	1
For the Engineering Institute of Canada.....	5
One Leonard Medal, 10 kt. gold	
One Ross Medal, 10 kt. gold	
One Plummer Medal, 10 kt. gold	
Two Julian C. Smith Medals, tombac	
For His Excellency the Right Honourable Vincent Massey, C.H.— Governor General's Medals, silver, 925 fine (gilded).....	10
Governor General's Medals, silver, 925 fine.....	79
Governor General's Medals, tombac, toned.....	273
Governor General's Crests, silver, 925 fine (gilded).....	228
Governor General's Crests, silver 925 fine.....	84
For the Art Directors Club— Art Directors Club Medals, silver, 925 fine.....	6

All medals issued to the Royal Canadian Mounted Police, Engineering Institute of Canada, Royal Society of Canada, Professional Institute of the Public Service of Canada and the Canadian Institute of Chartered Accountants were engraved with the names of the recipients.

## PLANT AND EQUIPMENT

Due to the difficulty found in recruiting competent staff to fill vacancies in the machine shop, much of the routine work was considerably hampered and many projects for plant improvement had to be postponed.

Two new, water-cooled, hydraulic tilting induction furnaces for the Melting House were purchased and installed by the Mint staff. Current for each furnace is supplied by its own vertical, single unit, rotary, frequency converter. The converters take line current at 60 cycles, 550 volts and, operating at 3600 R.P.M., change it to 1080 cycles, 400 volts for use in the coils of the furnaces.

Four ventilating fans and controls were installed in the generator room of the Melting House. This was necessary to insure continuous operation of the air cooled generators during the hot summer weather.

A second water-cooled, lift-coil induction furnace has been purchased and installed in the rough gold melting room in the Refinery. Current for the

induction coil, which operates at 3000 cycles, 800 volts, is supplied by a horizontal, two unit, frequency converter.

A number of motors, including their controls and wiring, were replaced by new equipment in the Refinery. After more than twenty years operation in an extremely corrosive atmosphere these machines were unfit for further service.

The assay cutter in the Melting House was redesigned to handle the large silver bars.

A new drive was designed, constructed and installed on the mixing mill in the Refinery.

All of the foregoing, as well as the production of coinage and medal dies, collars, blanking tools, and the current maintenance work necessary to the production of over one hundred and seventeen million coins and over three and one-half million ounces of fine gold, kept the mechanical and electrical sections of the staff fully occupied during the year.

## GENERAL

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by officers of the Auditor General's Department in February.

The Assay Commissioners, Dr. T. M. Dauphinee of the Division of Applied Physics, National Research Council, Dr. R. D. Heyding of the Division of Applied Chemistry, National Research Council, and Mr. W. R. Inman of the Mines Branch, Department of Mines and Technical Surveys, appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the Currency of Canada struck at the Royal Canadian Mint during 1955 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge A. G. McDougall, on the 1st day of May, 1956.

The findings of the Commissioners indicated that the coins, both as to weight and fineness, conformed with the standards established by the Currency Act.

Sixteen thousand, eight hundred and twenty-nine visitors were admitted to view the coining operations of the Mint during the year.

The number on the staff as at 31st December, 1956, was 174. Of this number 27 were employed in the Administrative and Mint Office, 100 in the Coining and Medal Division, 14 in the Assay Division and 33 in the Refinery.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, net circulation of coin in Canada, financial statements for the calendar year 1956 and an Order-in-Council respecting the Mint Custom Refining and Storing Regulations, 1956, are appended herewith.

I am, Sir,

Your obedient Servant,

A. P. WILLIAMS,  
*Master, Royal Canadian Mint.*



## APPENDIX A

Summary of Transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931, to December 31, 1956.

YEAR	GOLD RECEIVED		GOLD ISSUED	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1946.....	103,521,792.248	83,591,838.971	383,319.096	83,128,373.375
1947.....	3,559,496.703	2,868,469.014	.....	2,859,084.218
1948.....	4,252,389.454	3,401,991.441	.....	3,405,073.335
1949.....	4,941,749.248	3,925,617.709	.....	3,865,296.377
1950.....	5,485,956.751	4,422,968.129	.....	4,347,961.898
1951.....	5,246,758.942	4,169,479.513	.....	4,167,485.874
1952.....	4,848,048.381	3,953,158.154	.....	4,031,068.071
1953.....	4,642,410.478	3,684,073.637	.....	3,626,496.738
1954.....	4,768,451.365	3,829,430.609	.....	3,998,835.566
1955.....	4,878,918.379	3,947,636.509	.....	3,952,764.485
1956.....	4,693,484.529	3,801,788.815	.....	3,774,599.457
	150,839,456.478	121,596,452.501	383,319.096	121,157,039.394



# APPENDIX B (1) COIN ISSUED IN CANADA

SILVER											
	Dollar \$	50¢ \$	25¢ \$	20¢ \$	10¢ \$	5¢ \$	Total Silver \$				
1858 to 1907	New Brunswick, 1861, 2 and 4, Nova Scotia, 1861, 2 and 4, Prince Edward Island, 1871, Rest of Canada, 1858-1907.	Struck in England					95,000				
			1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996			
Totals.....				1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996		
GOLD											
	Sover- eigns £	\$10 \$	\$5 \$								
1908 to 1946.....	627,834	3,480,380	1,388,070								
1947.....											
1948.....											
1949.....											
1950.....											
1951.....											
1952.....											
1953.....											
1954.....											
1955.....											
1956.....											
Totals.....		627,834	3,480,380	1,388,070							

# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel 5¢ \$	Tombac 5¢ \$	Steel 5¢ \$	Bronze	
				1¢ \$	½¢ \$
1858 to 1907					
<div> <div> <div>New Brunswick, 1861, 2 and 4.</div> <div>Nova Scotia, 1861, 2 and 4.</div> <div>Prince Edward Island, 1871.</div> <div>Rest of Canada, 1858 to 1907.</div> </div> <div> <div>Struck in England</div> </div> </div>				20,000	1,114
				26,000	4,000
				10,000	
				803,315	
Totals				859,315	5,114
1908 to 1956					
	5,149,275.50	1,407,824.50	1,521,300.00	7,369,406.00	
	391,000.00			360,300.00	
	615,500.00			708,300.00	
	637,500.10			321,901.02	
	640,510.40			607,003.08	
	423,003.20		182,829.35	783,329.12	
	597.80		576,965.00	683,820.86	
	233.75		831,914.75	655,129.75	
	27.05		350,229.50	263,897.03	
	267,801.00			566,863.07	
	469,992.70			786,855.35	
Totals	8,595,441.50	1,407,824.50	3,463,238.60	13,966,120.28	5,114

# APPENDIX C

## CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER, 1956

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905.....	10,487,774	.....	.....	.....	701,429	11,279,203	1.85
1910.....	14,327,662	.....	.....	.....	967,353	15,295,015	2.03
1915.....	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920.....	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925.....	27,713,019 <sup>1</sup>	.....	.....	.....	2,020,470	29,733,489	3.20
1930.....	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1935.....	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1936.....	28,442,074	2,650,891	.....	.....	2,904,286	33,997,253	3.10
1937.....	29,387,857	2,899,361	.....	.....	3,003,286	35,290,504	3.20
1938.....	30,482,924	3,051,594	.....	.....	3,091,873	36,626,391	3.28
1939.....	32,236,145	3,355,906	.....	.....	3,276,771	38,868,822	3.45
1940.....	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1941.....	40,339,221	4,467,463	.....	.....	4,648,567	49,455,251	4.30
1942.....	44,011,038	4,827,596	169,424	.....	5,422,131	54,430,189	4.67
1943.....	51,009,046	4,826,033	1,407,424	.....	6,300,627	63,543,130	5.39
1944.....	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945.....	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946.....	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947.....	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948.....	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949.....	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950.....	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951.....	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952.....	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953.....	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954.....	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955.....	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956.....	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87

<sup>1</sup> Decrease due to withdrawal of worn and mutilated silver coins from circulation.

## APPENDIX D

## ROYAL CANADIAN MINT

## COINAGE AND BULLION OPERATIONS, 1956

## GOLD BULLION

	Fine Ounces	Value
Gold on hand, December 31, 1955.....	110,713.539	\$ 3,766,563.93
Gold purchased at various rates.....	3,557,304.861	122,754,665.37
Gain in operations.....	906.173	31,684.34
Adjustment in valuation of gold.....		90,602.55
	<u>3,668,924.573</u>	<u>\$ 126,643,516.19</u>
Less: Gold sold at various rates.....	3,521,469.146	121,482,095.00
Balance on hand at December 31, 1956.....	<u>147,455.427</u>	<u>\$ 5,161,421.19</u>

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1955.....		\$ 723,135.62
Bullion purchased.....		483,444.19
Treatment charges—Sweep.....		7,903.06
		<u>\$ 1,214,482.87</u>
Less: Bullion transferred to silver coinage account.....	\$ 987,889.13	
Bullion sold.....	5,403.98	
Net loss on operations.....	<u>4,462.41</u>	997,755.52
Balance, December 31, 1956.....		<u>\$ 216,727.35</u>

## SILVER COINAGE ACCOUNT

Balance, December 31, 1955.....	\$ 1,285,736.22
Bullion and alloy purchased or transferred.....	3,155,120.03
Worn coin purchased (withdrawn for recoinage).....	46,133.10
Net gain on coinage credited to Consolidated Revenue Fund.....	<u>2,565,512.21</u>
	<u>\$ 7,052,501.56</u>
Less: Coin sold.....	5,389,464.15
Balance, December 31, 1956.....	<u>\$ 1,663,037.41</u>

## NICKEL COINAGE ACCOUNT

Balance, December 31, 1955.....	\$ 81,448.64
Metal purchased.....	124,439.26
Mutilated coin purchased.....	1,285.80
Net gain on coinage credited to Consolidated Revenue Fund.....	<u>320,967.65</u>
	<u>\$ 528,141.35</u>
Less: Coin sold.....	469,992.70
Balance, December 31, 1956.....	<u>\$ 58,148.65</u>

## APPENDIX D—Concluded

## BRONZE COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1955.....		\$ 65,148.10
Metal purchased.....		270,816.65
Worn coin purchased (withdrawn for recoinage).....		4,431.96
Net gain on coinage credited to Consolidated Revenue Fund.....		531,567.10
		<hr/>
		\$ 871,963.81
Less: Coin sold.....	\$ 786,855.35	
Alloy transferred to silver coinage account.....	5,118.60	
Metal in medals sold.....	149.54	
	<hr/>	792,123.49
Balance, December 31, 1956.....		<hr/> <hr/> \$ 79,840.32

## STEEL COINAGE ACCOUNT

Balance, December 31, 1955.....	\$ 804.57
Mutilated coin purchased.....	930.75
	<hr/>
Balance, December 31, 1956.....	<hr/> <hr/> \$ 1,735.32



## APPENDIX E

### FINANCIAL STATEMENT

#### STATEMENT OF INCOME AND EXPENDITURES FOR THE YEAR ENDED 31 DECEMBER, 1956

## INCOME:

## Gold

Refining and Assaying charges.....	\$ 165,396.65	
Handling charges.....	709,856.68	
Charges—Storage, Packing, Sales, etc.....	32,470.17	
Net Gain in Refining and Revaluation of gold..	122,286.89	
		\$ 1,030,010.39

## Coinage

## Net Gain on:

Silver Bullion—Coinage and Medals.....	2,561,049.80	
Bronze Coinage.....	531,567.10	
Nickel Coinage.....	320,967.65	
		3,413,584.55

Charges—manufacturing Medals, etc.....	14,804.48	
Proceeds from Sales—medal cases, etc.....	659.50	
		\$ 4,459,058.92

## EXPENDITURES:

Salaries.....	\$ 748,562.52
Commissionaire Services.....	5,074.84
Travelling Expenses.....	507.07
Express on Coin Shipments.....	72,730.66
Freight, Express and Cartage.....	564.06
Postage.....	127.25
Telephones and Telegrams.....	118.70
Printing of Annual Report.....	306.00
Office Stationery, Supplies and Equipment.....	5,873.66
Supplies—Coinage and Medal work.....	42,610.50
Refining and Assaying.....	41,865.10
Acquisition of Equipment.....	125,841.83
Repairs and Upkeep of Equipment.....	30,199.21
Power, Light and Gas.....	34,483.08
Sundries.....	3,242.04
Total Expenditures.....	\$ 1,112,106.52

Excess of income over expenditures in the year ended December 31, 1956 \$ 3,346,952.40

NOTE:—The total shown for income does not reflect the value of services rendered free of charges to other departments, nor does the total shown for expenditures reflect any charges for premises owned by the Government and occupied by the Mint or for certain accounting and miscellaneous services provided by other departments.

## APPENDIX F

CURRENCY, MINT AND EXCHANGE FUND ACT  
MINT CUSTOM REFINING AND STORING REGULATIONS, 1956

P.C. 1956-450

AT THE GOVERNMENT HOUSE AT OTTAWA

THURSDAY, the 22nd day of March, 1956.

PRESENT:

HIS EXCELLENCY THE GOVERNOR GENERAL IN COUNCIL

His Excellency the Governor General in Council, on the recommendation of the Minister of Finance, pursuant to the Currency, Mint and Exchange Fund Act, is pleased, hereby, to revoke, effective the 21st day of March, 1956, the Mint Custom Refining and Storing Regulations made by Order in Council P.C. 1954-1619 of 28th October, 1954, as amended, and to make the annexed Mint Custom Refining and Storing Regulations, 1956, in substitution therefor.

REGULATIONS PRESCRIBING THE CIRCUMSTANCES UNDER  
WHICH AND THE CONDITIONS UPON WHICH GOLD WILL BE  
ACCEPTED AT THE MINT FOR CUSTOM REFINING AND  
STORING

1. These regulations may be cited as the Mint Custom Refining and Storing Regulations, 1956.

2. (1) In these regulations,

- (a) "appropriate form" means the form of the instrument or document prescribed by the Minister for a particular purpose under these regulations;
- (b) "designated gold" means gold produced from the mine of a producer, on or after the elected date;
- (c) "elected date" means, with respect to a producer, the first day of January, April, July or October, as the producer designates, with the approval of the Minister, in making his election in the appropriate form;
- (d) "prior regulations" means the Mint Custom Refining and Storing Regulations made and established by the Governor in Council by Order in Council P.C. 1954-1619 of the 28th day of October, 1954, as amended; and
- (e) "producer" means a person engaged in producing gold from a mine who has made an election in the appropriate form and has delivered it to the Minister.

(2) The Minister shall not approve a date as the elected date in respect of a producer unless the producer, before the expiration of thirty days from that date, has delivered to the Minister an election in the appropriate form designating that date as the elected date.

(3) A person who made an election in accordance with the prior regulations shall be deemed to have made a similar election in accordance with these regulations.

3. Upon application by a producer in the appropriate form, the Minister may accept designated gold at the Mint for assaying, refining or storing on behalf of the producer.

4. (1) Gold accepted at the Mint for assaying, refining or storing under these regulations is so accepted subject to the condition that it shall be released,

## APPENDIX F—Concluded

in the form of fine gold (.995 fine or better), upon application made by or on behalf of the producer or for sale to Her Majesty at the "Mint buying price" as referred to in section 5 of the Gold Bullion Regulations.

(2) Where gold is released from the Mint to a producer or to a person designated by the producer, it shall be delivered, at the Mint counter at Ottawa, to such consignee, carrier or other agent acting on behalf of the consignee as the producer or other person designated by him as the person to whom the gold is to be released has named.

5. The following Mint service charges are payable by a producer:

- (a) where gold is melted, assayed or refined, an amount in respect of the melting, assaying or refining calculated at the rates then prescribed therefor by the Gold Bullion Regulations in respect of deposits of gold at the Mint, payable when billed;
- (b) where gold is stored, one cent for every thirty days or fraction thereof (including the day on which the gold is received at the Mint but excluding the day on which it is shipped from the Mint) for each ounce of gold so stored, payable at the time of application for release of the gold or when billed, whichever is the earlier;
- (c) ten cents for each ounce of gold packed for shipment at the Mint, payable at the time of application for release of the gold; and
- (d) a handling charge of twenty cents for each ounce of gold sold to Her Majesty, payable at the time of sale.

6. The silver content of gold delivered to the Mint by a producer under these regulations may be purchased by Her Majesty at the price payable by the Minister for silver under section 6 of the Gold Bullion Regulations.

7. Notwithstanding anything in these regulations,

- (a) the Minister may designate a corporation that has adequate facilities for refining and storing gold as his agent to perform the services that would otherwise be performed at the Mint under these regulations, and may enter into such agreements as he deems necessary for the purpose; and
- (b) services may be performed by an agent designated under this section only upon such terms and conditions as the Minister prescribes and the Minister may, in his discretion, for the purposes of this section, fix such charges in lieu of those prescribed by section 5 and make such other financial arrangements as he deems advisable.

8. Every producer shall prepare and mail to the Minister within thirty days following the last day of every month, monthly reports in the appropriate form showing, *inter alia*,

- (a) fine gold held by him or on his behalf at the beginning of the month
  - (i) at the Mint, and
  - (ii) at places other than the Mint (in detail);
- (b) refined gold produced during the month;
- (c) sales made during the month, indicating,
  - (i) the name and address of the purchaser,
  - (ii) the amount in ounces sold to each purchaser,
  - (iii) the value, in Canadian funds, of the gold sold to each purchaser, and
  - (iv) the price paid, in Canadian funds, for each fine ounce of gold so sold; and
- (d) fine gold held by him or on his behalf at the end of the month
  - (i) at the Mint, and
  - (ii) at places other than the Mint (in detail).



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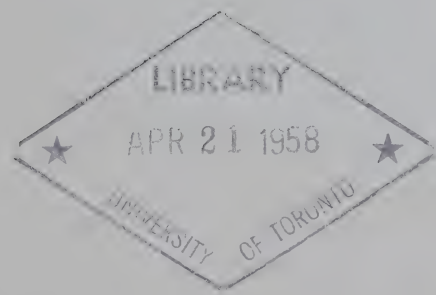


CANADA

DEPARTMENT OF FINANCE

# ROYAL CANADIAN MINT

Report *of the Mint*  
For Calendar Year  
1957



EDMOND CLOUTIER, C.M.G., O.A., D.S.P.  
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY  
OTTAWA, 1958





CANADA

DEPARTMENT OF FINANCE

# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT

For Calendar Year  
1957

Published by the Authority of Hon. Donald M. Fleming, M.P.,  
Minister of Finance

Price: 25 cents    Cat. No. F 71-57  
Available from the Queen's Printer  
Ottawa, Canada



# ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
Ottawa.

SIR:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1957.

## COINAGE

A total of 138,415,947 coins was issued for circulation in Canada in the year 1957. The demand for one-cent coins, (100,422,054 pieces) was the highest on record issued by this Mint.

Comparative statements of the issue and production of coins by denomination for the years 1956 and 1957 are shown hereunder:

### COINAGE ISSUE IN 1956 AND 1957

Denomination	1956	1957
	\$	\$
SILVER COIN—		
1 dollar.....	209,092.00	496,389.00
50 cents.....	689,749.50	1,085,844.50
25 cents.....	2,817,338.25	3,091,000.25
10 cents.....	1,673,284.40	1,563,195.20
Total Silver.....	5,389,464.15	6,236,428.95
NICKEL COIN—		
5 cents.....	469,992.70	366,493.10
BRONZE COIN—		
1 cent.....	786,855.35	1,004,220.54
Total.....	6,646,312.20	7,607,142.59
Representing	Number of Pieces	
Total.....	117,676,177	138,415,947

### Coinage Production in 1956 and 1957

CANADA	1956	1957
	Pieces	Pieces
SILVER, 800 fine—		
1 dollar.....	209,092	496,389
50 cents.....	1,379,499	2,171,689
25 cents.....	11,269,353	12,770,190
10 cents.....	16,732,844	16,110,229
NICKEL—		
5 cents.....	9,399,854	7,387,703
BRONZE—		
1 cent.....	78,685,535	100,601,792
	117,676,177	139,537,992

## Worn and mutilated coin withdrawn from circulation

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	42,456.35	6,193,972.60
Nickel Coin—5 cents (Mutilated only).....	1,131.25	365,361.85
Tombac Coin—5 cents.....	2,124.75	
Steel Coin—5 cents.....	895.40	
Bronze Coin.....	1,259.11	1,002,961.43

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Bronze
	Dollar \$	50 Cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Calgary.....	18,000.00	197,000.00	530,000.00	265,000.00	67,200.00	93,000.00
Halifax.....	9,000.00	63,000.00	234,000.00	125,000.00	32,100.00	36,960.00
Montreal.....	68,000.00	90,000.00	417,000.00	25,000.00	42,900.00	456,840.00
Ottawa.....	23,148.00	22,884.00	203,000.00	264,000.00	48,500.00	28,500.00
Ottawa for Charlottetown.....						
Ottawa for St. John's, Nfld.....		30,000.00	20,000.00	20,000.00	10,200.00	20,700.00
Regina.....	14,000.00	25,000.00	277,000.00	111,000.00	43,200.00	44,700.00
Saint-John, N.B.....	10,000.00	22,000.00	83,000.00	15,000.00	5,100.00	13,500.00
Toronto.....	271,000.00	294,000.00	859,000.00	542,000.00	29,100.00	185,100.00
Vancouver.....	28,000.00	335,000.00	105,000.00	115,000.00	49,500.00	69,900.00
Winnipeg.....	39,000.00	1,000.00	360,000.00	80,000.00	38,100.00	54,900.00
Sundry Persons.....	16,241.00	5,960.50	3,000.25	1,195.20	593.10	120.54
Total.....	496,389.00	1,085,844.50	3,091,000.25	1,563,195.20	366,493.10	1,004,220.54

Summarized below are details of the weights of silver bullion, copper, and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced:

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
SILVER, 800 fine—	Ounces	Ounces	Ounces	Ounces
1 dollar	10,763,770.30	9,636,731.40	744,588.59	372,351.63
50 cents			961,871.93	813,624.10
25 cents			2,745,022.53	2,394,278.50
10 cents			1,370,716.36	1,211,946.91
Total Silver.....	10,763,770.30	9,636,731.40	5,822,199.41	4,792,201.14
NICKEL—	Pounds	Pounds	Pounds	Pounds
5 cents.....				73,920.52
BRONZE—				
1 cent.....	1,169,764.00	1,185,123.75	758,744.00	719,062.05
	Short Tons 953.9	Short Tons 923.0	Short Tons 579.0	Short Tons 560.8

11,626 ounces of worn and mutilated silver coins were melted and cast into 1,000 ounce ingots for assay and conversion to 800 standard coinage bars; 530 pounds of bronze worn coin and 409 pounds of tombac five-cent coins were converted for use in one-cent coinage.

One hundred and forty-nine ounces of gold proof plate; forty-nine ounces of silver proof plate; seven thousand five hundred and sixty-eight ounces of silver discs; four hundred and eighty-six ounces of copper discs; one thousand pounds of lead discs; were produced for use in the Assay Division.

Twenty-four hundred and eleven ounces of fine gold cathodes were rolled for use in the electrolysis plant of the Refinery Division.

The number of obverse and reverse dies used in coin production of each denomination and the average production per pair of dies in 1956 and 1957 are shown in the tables below:—

Denomination	1956				1957			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	209,092	52	28	5,227	496,389	12	6	55,154
50 cents.....	1,379,499	53	36	31,000	2,171,689	36	44	54,292
25 cents.....	11,269,353	189	247	51,694	12,770,190	158	189	73,603
10 cents.....	16,732,844	243	169	81,227	16,110,229	148	113	123,450
5 cents.....	9,399,854	120	87	90,820	7,387,703	57	37	157,185
1 cent.....	78,685,535	211	171	411,966	100,601,792	348	226	350,529
	117,676,177	863	738		139,537,992	759	615	
	Average per pair of dies.....146,546				Average per pair of dies.....203,112			

## DESIGNATED GOLD

During the year five mines deposited gold bullion at the Mint for storage under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for Custom Refining and Storing.

The fine gold content of the bullion deposited under this heading during 1957 amounted to 264,720.846 ounces. Fine bullion amounting to 276,571.454 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## BULLION

Five thousand nine hundred and thirty-nine deposits of gold bullion were received at the Mint during the year from Canadian Mining Companies and Sundry Persons. The gross weight of the deposits amounted to 4,798,296 ounces containing by assay 3,896,084 ounces fine gold and 560,803 ounces fine silver. This includes bullion received under the heading of Designated Gold. The

receipts show an increase as compared with the year 1956 of 80 in the number of deposits, gross weight 104,811 ounces, gold content 94,295 ounces and fine silver 20,817 ounces and was composed of the following:

*Fine Gold—*

139 deposits weighing 324,599.388 ounces with a mean fineness of 996.888

*Crude Bullion—*

5,181 deposits weighing 4,154,354.865 ounces with an average fineness of 794.633 gold, 134.670 silver, and containing 7.0697% base metal

*Scrap (Jewellery and Dental)—*

263 deposits, 14,793.200 ounces at an average fineness of 445.147 gold and 90.321 silver

*Designated Gold—*

356 deposits weighing 304,548.890 ounces with an average fineness of 869.223

The net value paid to depositors was \$121,319,084.94. In addition the amount of fine gold issued to depositors was 279,454.838 ounces.

Details of origin of the bullion deposited for sale to the Mint during the year 1957 are shown in the following table:

From Canadian Mines and Refineries	Gross Weight	Fine Gold	Fine Silver
	Ounces	Ounces	Ounces
Ontario.....	2,782,617.573	2,300,916.427	313,388.94
Quebec.....	810,382.710	622,562.882	120,980.66
British Columbia.....	227,070.685	183,438.376	30,547.20
Manitoba.....	125,439.905	99,126.646	10,363.95
Yukon Territory.....	91,582.545	73,709.042	15,572.60
Nova Scotia.....	49.420	44.962	1.47
North West Territories.....	441,311.370	344,563.071	68,573.32
Alberta and Saskatchewan.....	500.045	416.166	38.69
Total from Canadian Mines and Refineries.....	4,478,954.253	3,624,777.572	559,466.83
From Jewellery and Scrap.....	14,793.200	6,585.145	1,336.14
Grand Total.....	4,493,747.453	3,631,362.717	560,802.97

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	Ounces Fine
8,721 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	3,486,484.069
Depositors—granulated and bars.....	279,454.838
Sales of fine gold.....	4,501.500
Proof Plate for assay purposes.....	2.167
Medals, etc.....	13.221
Sweep.....	6,254.882
	<u>3,776,710.677</u>

This total shows an increase of 2,111.220 ounces fine issued as compared with the year 1956.



The following tables give details of rough bullion received and fine bullion produced during the year:

Receipts	Number of Deposits	Fine Gold	Fine Silver
		Ounces	Ounces
Mines.....	5,320	3,624,777.572	559,466.83
Jewellery and Scrap.....	263	6,585.145	1,336.14
Designated—Mines.....	356	264,720.846	.....

Produced	Number	Gross Weight	Fine Weight	Average Assay
		Ounces	Ounces	
Fine Gold Bars.....	8,884	3,535,976.375	3,527,192.699	997.5
Granulated Gold.....		19,389.540	19,385.381	999.8
Fine Silver Bars.....	459	516,963.76	516,829.95	999.7
Granulated Silver.....		11,694.73	11,691.77	999.7
Gold Medals.....			34.016	.....
Silver Medals.....			285.20	.....
Silver Discs.....			3.47	.....
Designated Gold Bars.....	590	236,880.110	236,805.155	999.7
Designated Granulated Gold.....		32,362.433	32,355.248	999.8

Special Processes	Number	Gross Weight
		Ounces
Remelts.....	303	201,684.515
Toughenings.....	1	585.450
		Pounds
		Avoirdupois
Chloride Reduction.....		81,982.00
Sweeps.....		164,260.00

Details of the assays, etc., made during the year are shown hereunder:

*Gold—*

Refinages.....	5,162	
Rough Gold.....	34,798	
Proofs.....	3,259	
Parting Proofs.....	864	
Parting Buttons.....	12,312	
Miscellaneous.....	1,826	
	<u>58,221</u>	

*Silver—*

Standard Bars.....	12,988	
Pyx.....	2,735	
Proofs.....	712	
Fine Silver.....	1,488	
Worn Coin.....	48	
Miscellaneous.....	160	
	<u>18,131</u>	

*Miscellaneous—*

For the Marking Act Inspector.....	6	
Mint Residues (sweeps, etc.).....	558	
	<u>564</u>	
	<u>76,916</u>	



The mean finenesses of the Silver Coinage struck in 1957 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	798.95
50 cents.....	800.00	799.06
25 cents.....	800.00	799.17
10 cents.....	800.00	799.32

Samples from fifty-six lots of nickel blanks (11,000,000 pieces) were assayed and found to satisfy specifications.

Sixteen suspected coins were received from the Royal Canadian Mounted Police and sundry individuals. Of these, one 50¢ piece and ten 25¢ pieces were found to be counterfeit.

Twenty-nine medals, two sets of replicas and seventy-two crests were gold-plated.

Two working trial plates of gold and one of silver were made and fixed against our standards. 2.167 ounces of gold trial plate and 1.00 ounce of silver trial plate were sold during the year.

## MEDALS

Eighteen hundred and nine ounces of sterling silver bars were cast for Governor General's Medals.

Thirty eight hundred and sixty-nine pounds of tombac bars were cast for Canadian Forces Decoration Medals.

The master punch for the reverse of the British Columbia commemorative dollar to be issued in 1958 was produced from the plaster model submitted by Mr. Stephen Trenka, the winner of the competition held in connection with this issue.

Obverse and reverse dies for the John Howard Society of Ontario Medal were made from plaster models supplied. The obverse is a bas-relief of John Howard and the reverse bears the inscription "For Distinguished Humanitarian Service" around the edge and in the center "Awarded to ... By the John Howard Society of Ontario."

The following medals were struck and issued during 1957:

For the Department of Defence Production—	
Canadian Forces Decoration, tombac.....	10,000
For the Royal Canadian Mounted Police—	
Long Service and Good Conduct Medals, silver, 800 fine.....	56
For the Professional Institute of the Public Service of Canada—	
Medals, 14 kt. gold.....	2
Replicas of Medal, thin copper, gold plated.....	2
For the Royal Society of Canada.....	5
One Flavelle Medal, 14 kt. gold	
One Tyrrell Medal, fine gold	
One Lorne Pierce Medal, 14 kt. gold	
One Henry Marshall Tory Medal, 18 kt. gold	
One Willet G. Miller Medal, 18 kt. gold	

For the Canadian Institute of Chartered Accountants—	
Chartered Accountancy Award, 18 kt. gold.....	1
For the Engineering Institute of Canada.....	6
One Leonard Medal, 10 kt. gold	
One Ross Medal, 10 kt. gold	
One Gzowski Medal, 10 kt. gold	
One Julian C. Smith Medal, tombac	
Two Sir John Kennedy Medals, tombac	
For His Excellency the Right Honourable Vincent Massey, C.H.—	
Governor General's Medals, silver, 925 fine (gilded).....	20
Governor General's Medals, silver, 925 fine.....	90
Governor General's Medals, tombac, toned.....	280
Governor General's Crests, silver, 925 fine (gilded).....	72
For the Art Directors Club—	
Art Directors Club Medals, silver, 925 fine.....	7
For the John Howard Society of Ontario—	
John Howard Medallions, nickel.....	25
For the Government of Canada—	
Award for fifty years' service, tombac.....	3

All medals issued to the Royal Canadian Mounted Police, Engineering Institute of Canada, Royal Society of Canada, Professional Institute of the Public Service of Canada, The Canadian Institute of Chartered Accountants, The John Howard Society of Ontario and the Government of Canada were engraved with the names of recipients.

## PLANT AND EQUIPMENT

A general contractor under the direction of the Department of Public Works, started construction of a small addition to the Mint building. It is located in what was a small courtyard between the annealing room and carpenter shop. It is two stories in height and will be used principally to house medal manufacturing equipment which is now widely scattered throughout the Coining and Medal Division.

The Refinery Division stopped production of fine gold during a part of the summer to carry out some long overdue repairs to the building. With the co-operation of the Department of Public Works the chlorination fume chamber was rebuilt; the concrete silver tanks were replaced; and the settling tanks in the basement were relined to stop seepage which was taking place.

A second electrolytic plant for the production of fine gold was installed in the Refinery. With the exception of the rectifiers, earthenware tanks and ventilation fan, the plant was completely built by our own staff. It has twice the capacity of the original plant and the rectifiers purchased will allow for future expansion.

Two new coining presses were purchased from Taylor and Challen Limited, Birmingham, England, to replace two which had been in operation for the past fifty years. One is a large 120 ton press capable of producing Canadian coins of all denominations. The other is a light 30 ton, high speed press, for use especially on coins of 1 cent and 10 cent denominations.

An electrically operated vibration type feeder was installed on one of the overlooking machines in the examining room. The rate of feed is variable to accommodate the type of work being inspected.

A new die topping lathe was purchased and installed. It is a modified form of turret lathe, producing the finished die blank from the steel bar without preliminary cut off by a hack saw. This machine replaces an obsolete one which was beyond the point of economic repair.

A new drive was designed, built and installed on the sweep sampler in the Refinery.

In addition to the above mentioned major projects, the manufacture of coinage and medal dies, collars, blanking tools and the current maintenance work incidental to the production of over 139 million coins and the refining of over  $3\frac{1}{2}$  million ounces of fine gold, kept the mechanical and electrical sections of the staff fully occupied during the year.

## GENERAL

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by officers of the Auditor General's Department in February.

The Assay Commissioners, Mr. W. L. Chase of the Mines Branch, Department of Mines and Technical Surveys, Mr. E. C. Goodhue of the Division of Applied Chemistry, National Research Council and Dr. K. Hart of the Division of Applied Physics, National Research Council, appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the Currency of Canada struck at the Royal Canadian Mint during 1956 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge A. G. McDougall, on the 7th day of May, 1957.

The findings of the Commissioners indicated that the coins, both as to weight and fineness, conformed with the standards established by the Currency Act.

Twenty-three thousand, eight hundred and fifty-four visitors were admitted to view the coining operations of the Mint during the year.

The number on the staff as at 31st December, 1957, was 191. Of this number 28 were employed in the Administrative and Mint Office Division, 110 in the Coining and Medal Division, 16 in the Assay Division and 37 in the Refinery.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, net circulation of coin in Canada, financial statements for the calendar year 1957, an Act to amend the Currency, Mint and Exchange Fund Act and a Proclamation respecting the issue in 1958 of a commemorative dollar coin are appended herewith.

Respectfully submitted,

A. P. WILLIAMS,

*Master, Royal Canadian Mint.*

## APPENDIX A

Summary of Transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931, to December 31, 1957.

YEAR	GOLD RECEIVED		GOLD ISSUED	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1947.....	107,081,288.951	86,460,307.985	383,319.096	85,987,457.593
1948.....	4,252,389.454	3,401,991.441	.....	3,405,073.335
1949.....	4,941,749.248	3,925,617.709	.....	3,865,296.377
1950.....	5,485,956.751	4,422,968.129	.....	4,347,961.898
1951.....	5,246,758.942	4,169,479.513	.....	4,167,485.874
1952.....	4,848,048.381	3,953,158.154	.....	4,031,068.071
1953.....	4,642,410.478	3,684,073.637	.....	3,626,496.738
1954.....	4,768,451.365	3,829,430.609	.....	3,998,835.566
1955.....	4,878,918.379	3,947,636.509	.....	3,952,764.485
1956.....	4,693,484.529	3,801,788.815	.....	3,774,599.457
1957.....	4,798,296.343	3,896,083.563	.....	3,776,710.677
	155,637,752.821	125,492,536.064	383,319.096	124,933,750.071



# APPENDIX B (1) COIN ISSUED IN CANADA

		SILVER							
		Dollar \$	50¢ \$	25¢ \$	20¢ \$	10¢ \$	5¢ \$	Total Silver \$	
1858 to 1907	New Brunswick, 1861, 2 and 4, Nova Scotia, 1861, 2 and 4, Prince Edward Island, 1871, Rest of Canada, 1858-1907.				60,000	25,000	10,000	95,000	
			1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996	
Totals.....			1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996	
GOLD									
		Sover- eigns £	\$10 \$	\$5 \$					
1908 to									
1947.....	627,834	3,480,380	1,388,070						
1948.....									
1949.....									
1950.....									
1951.....									
1952.....									
1953.....									
1954.....									
1955.....									
1956.....									
1957.....									
Totals.....		627,834	3,480,380	1,388,070					



# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel 5¢ \$	Tombac 5¢ \$	Steel 5¢ \$	Bronze	
				1¢ \$	$\frac{1}{2}$ ¢ \$
<div> <div>1858 to 1907</div> <div> <div> <div>New Brunswick, 1861, 2 and 4.</div> <div>Nova Scotia, 1861, 2 and 4.</div> <div>Prince Edward Island, 1871.</div> <div>Rest of Canada, 1858 to 1907.</div> </div> <div>Struck in England</div> </div> </div>				20,000	1,114
				26,000	4,000
				10,000	
				803,315	
				859,315	5,114
Totals.....					
1908 to 1947.....	5,540,275.50	1,407,824.50	1,521,300.00	7,729,706.00	
1948.....	615,500.00			708,300.00	
1949.....	637,500.10			321,901.02	
1950.....	640,510.40			607,003.08	
1951.....	423,003.20		182,829.35	783,329.12	
1952.....	597.80		576,965.00	683,820.86	
1953.....	233.75		831,914.75	655,129.75	
1954.....	27.05		350,229.50	263,897.03	
1955.....	267,801.00			566,863.07	
1956.....	469,992.70			786,855.35	
1957.....	366,493.10			1,004,220.54	
	8,961,934.60	1,407,824.50	3,463,238.60	14,970,340.82	5,114

# APPENDIX C CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER.

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905.....	10,487,774	.....	.....	.....	701,429	11,279,203	1.85
1910.....	14,327,662	.....	.....	.....	967,353	15,295,015	2.03
1915.....	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920.....	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925.....	27,713,019 <sup>(1)</sup>	.....	.....	.....	2,020,470	29,733,489	3.20
1930.....	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1935.....	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1936.....	28,442,074	2,650,891	.....	.....	2,904,288	33,997,253	3.10
1937.....	29,387,857	2,899,361	.....	.....	3,003,286	35,290,504	3.20
1938.....	30,482,924	3,051,594	.....	.....	3,091,873	36,626,391	3.28
1939.....	32,236,145	3,355,906	.....	.....	3,276,771	38,868,822	3.45
1940.....	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1941.....	40,339,221	4,467,463	.....	.....	4,648,567	49,455,251	4.30
1942.....	44,011,038	4,827,596	169,424	.....	5,422,131	54,430,189	4.67
1943.....	51,009,046	4,826,033	1,407,424	.....	6,300,627	63,543,130	5.39
1944.....	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945.....	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946.....	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947.....	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948.....	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949.....	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950.....	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951.....	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952.....	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953.....	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954.....	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955.....	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956.....	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957.....	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98

<sup>1</sup> Decrease due to withdrawal of worn and mutilated silver coins from circulation.

## APPENDIX D

## ROYAL CANADIAN MINT

## COINAGE AND BULLION OPERATIONS, 1957

## GOLD BULLION

	Fine Ounces	Value	Fine Ounces	Value
Gold on hand, December 31, 1956.....			147,455.427	\$ 5,161,421.19
Gold purchased at various rates.....			3,632,966.407	121,878,847.38
Gain in operations.....			2,122.779	71,167.49
			3,782,544.613	\$127,111,436.06
Less: Gold sold at various rates... ..	3,500,139.223	\$117,663,459.28		
Adjustment in valuation of gold .....		243,369.96	3,500,139.223	117,906,829.24
Balance on hand at December 31, 1957.. ..			282,405.390	\$ 9,204,606.82

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1956.....		\$ 216,727.35
Bullion purchased.....		488,459.36
Treatment charges—Sweep.....		8,133.14
		\$ 713,319.85
Less: Bullion transferred to silver coinage account.....	\$ 549,705.93	
Bullion sold.....	19,168.73	
Net loss on operations.....	16,491.93	
		585,366.59
Balance, December 31, 1957.....		\$ 127,953.26

## SILVER COINAGE ACCOUNT

Balance, December 31, 1956.....	\$ 1,663,037.41
Bullion and alloy purchased or transferred.....	4,430,640.45
Worn coin purchased (withdrawn for recoinage).....	44,809.10
Net gain on coinage credited to Consolidated Revenue Fund.....	2,994,977.13
	\$ 9,133,464.09
Less: Coin sold.....	6,236,428.95
Balance, December 31, 1957.....	\$ 2,897,035.14

## NICKEL COINAGE ACCOUNT

Balance, December 31, 1956.....	\$ 58,148.65
Metal purchased.....	207,633.78
Mutilated coin purchased.....	1,124.25
Net gain on coinage credited to Consolidated Revenue Fund.....	234,454.96
	\$ 501,361.64
Less: Coin sold.....	366,493.10
Balance, December 31, 1957.....	\$ 134,868.54

## APPENDIX D—Concluded

## BRONZE COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1956.....		\$ 79,840.32
Metal purchased.....		300,559.63
Worn coin purchased (withdrawn for recoinage).....		3,393.84
Net gain on coinage credited to Consolidated Revenue Fund.....		745,814.45
		<u>\$ 1,129,608.24</u>
<i>Less:</i> Coin sold.....	\$ 1,004,220.54	
Alloy transferred to silver coinage account.....	4,635.00	
Metal in medals sold.....	224.84	
	<u>                    </u>	<u>1,009,080.38</u>
Balance, December 31, 1957.....		<u><u>\$ 120,527.86</u></u>

## STEEL COINAGE ACCOUNT

Balance, December 31, 1956.....	\$ 1,735.32
Mutilated coin purchased.....	902.80
Balance, December 31, 1957.....	<u><u>\$ 2,638.12</u></u>

## APPENDIX E

## FINANCIAL STATEMENT

STATEMENT OF INCOME AND EXPENDITURES FOR THE YEAR ENDED  
31 DECEMBER, 1957

## INCOME:

## Gold

Refining and Assaying charges.....	\$ 168,963.88	
Handling charges.....	728,656.21	
Charges—Storage, Packing, Sales, etc.....	32,191.78	
Net Gain in Refining Gold.....	71,167.49	
	<u>1,000,979.36</u>	
Less Revaluation of Gold.....	243,369.96	
		\$ 757,609.40

## Coinage

## Net Gain on:

Silver Bullion—Coinage and Medals.....	2,978,485.20	
Bronze Coinage.....	745,814.45	
Nickel Coinage.....	234,454.96	
		3,958,754.61

Charges—manufacturing Medals, etc.....	18,827.99	
Proceeds from Sales—medal cases, etc.....	714.20	
		<u>\$ 4,735,906.20</u>

## EXPENDITURES:

Salaries.....	\$ 799,411.53
Commissionaire Services.....	10,307.45
Travelling Expenses.....	485.05
Express on Coin Shipments.....	85,622.72
Freight, Express and Cartage.....	756.18
Postage.....	12.64
Telephones and Telegrams.....	199.41
Printing of Annual Report.....	229.29
Office Stationery, Supplies and Equipment.....	5,191.27
Supplies—Coinage and Medal work.....	34,205.52
Refining and Assaying.....	53,540.43
Acquisition of Equipment.....	60,070.46
Repairs and Upkeep of Equipment.....	46,491.94
Power, Light and Gas.....	37,914.01
Sundries.....	7,631.25
Total Expenditures.....	<u>\$ 1,142,069.15</u>

Excess of income over expenditures in the year ended December 31, 1957 \$ 3,593,837.05

NOTE:—The total shown for income does not reflect the value of services rendered free of charges to other departments, nor does the total shown for expenditures reflect any charges for premises owned by the Government and occupied by the Mint or for certain accounting and miscellaneous services provided by other departments.



## APPENDIX F

## AN ACT TO AMEND THE CURRENCY, MINT AND EXCHANGE FUND ACT

R.S. c. 315. HER MAJESTY, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows:

Schedule amended.

1. Part II of the Schedule to the Currency, Mint and Exchange Fund Act is amended by striking out the remedy allowance of 3.00 grains for a group of one dollar's worth (ten pieces) of coins of the denomination of ten cents, and substituting therefor the remedy allowance of 15.00 grains.

Coming into force.

2. This Act shall be deemed to have come into force on the 1st day of January, 1956.

## EXPLANATORY NOTES

The purpose of this Bill is to increase the remedy allowance for ten cent pieces. The new high speed rolling mills, which were installed in the Mint early in 1956, cannot give as precise a thickness as former mills. The proposed new remedy allowance is the same as that in the United States.

## APPENDIX G

CURRENCY, MINT AND EXCHANGE FUND ACT—  
DESIGN OF 1958 COMMEMORATIVE DOLLAR COIN

VINCENT MASSEY  
(L. S.)

## CANADA

ELIZABETH THE SECOND, by the Grace of God of the United Kingdom, Canada and Her other Realms and Territories QUEEN, Head of the Commonwealth, Defender of the Faith.

To ALL TO WHOM these Presents shall come or whom the same may in anywise concern,

GREETING:

## A PROCLAMATION

F. P. VARCOE, Deputy Attorney General, Canada.	}	WHEREAS in and by section eight of the Currency, Mint and Exchange Fund Act, Chapter 315 of the Revised Statutes of Canada, 1952, it is provided that Our Governor in Council may by proclamation prescribe the design of any coin.
------------------------------------------------------	---	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

AND WHEREAS it is desirable and Our Governor in Council has advised that a proclamation do issue prescribing the design of a one dollar piece to be struck to commemorate the one hundredth anniversary of the gold rush and the creation of British Columbia as a Crown colony in 1858.

NOW KNOW YE that by and with the advice of Our Privy Council for Canada We do hereby proclaim, direct and determine that the design of the proposed new silver dollar shall be as hereinafter set out, viz:—

The design of the obverse impression shall be the uncrowned effigy of Her Majesty Queen Elizabeth the Second with the Inscription "Elizabeth II Dei Gratia Regina".

The design of the reverse impression shall be a representation of a totem pole, with the word "CANADA" at the upper left, the figures "1858-1958" at the left, the words "British Columbia" on the right, mountains in the background, and at the bottom the word "DOLLAR". The coin shall have a graining on the edge.

OF ALL WHICH Our Loving Subjects and all others whom these Presents may concern are hereby required to take notice and to govern themselves accordingly.

IN TESTIMONY WHEREOF We have caused these Our Letters to be made Patent and the Great Seal of Canada to be hereunto affixed. WITNESS: Our Right Trusty and Well-beloved Counsellor, VINCENT MASSEY, Member of Our Order of the Companions of Honour, Governor General and Commander-in-Chief of Canada.

AT OUR GOVERNMENT HOUSE, in Our City of Ottawa, this Twenty-first day of February in the year of Our Lord One thousand nine hundred and fifty-seven and in the Sixth year of Our Reign.

By Command,

C. STEIN,

*Under Secretary of State.*



Government  
Publications





~~Gov. Doc.~~  
~~Can.~~  
~~R~~

*Canada - Royal Canadian Mint*

CA1  
RM  
-R74

Government  
Publications



CANADA

DEPARTMENT OF FINANCE

# ROYAL CANADIAN MINT

Report  
For Calendar Year  
1958







CANADA

DEPARTMENT OF FINANCE

# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT

For Calendar Year  
1958

Published by Authority of Hon. Donald M. Fleming, M.P.  
Minister of Finance

Price; 25 cents      Cat. No. F 71-58  
Available from the Queen's Printer  
Ottawa, Canada

# ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
Ottawa.

SIR:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1958.

## COINAGE

The demand for the 1958 British Columbia commemorative dollar coin totalled 3,039,564 pieces. This was the highest issue of silver dollars since this coin was first struck in 1935.

Comparative statements of the issue and production of coins by denomination for the years 1957 and 1958 are shown hereunder:

### COINAGE ISSUE IN 1957 AND 1958

Denomination	1957	1958
	\$	\$
SILVER COIN—		
1 dollar.....	496,389.00	3,039,564.00
50 cents.....	1,085,844.50	1,478,600.00
25 cents.....	3,091,000.25	2,435,758.25
10 cents.....	1,563,195.20	1,090,830.60
Total Silver.....	6,236,428.95	8,044,752.85
NICKEL COIN—		
5 cents.....	366,493.10	379,616.00
BRONZE COIN—		
1 cent.....	1,004,220.54	578,274.13
Total.....	7,607,142.59	9,002,642.98
Representing	Number of Pieces	
Total.....	138,415,947	92,067,836

### Coinage Production in 1957 and 1958

CANADA	1957	1958
	Pieces	Pieces
SILVER, 800 fine—		
1 dollar.....	496,389	3,039,630
50 cents.....	2,171,689	2,957,266
25 cents.....	12,770,190	9,336,910
10 cents.....	16,110,229	10,621,236
NICKEL—		
5 cents.....	7,387,703	7,607,521
BRONZE—		
1 cent.....	100,601,792	59,385,679
	139,537,992	92,948,242



## Worn and mutilated coin withdrawn from circulation

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	41,126.70	8,003,626.15
Nickel Coin—5 cents (Mutilated only).....	1,003.25	378,612.75
Tombac Coin—5 cents.....	1,112.55	
Steel Coin—5 cents.....	824.25	
Bronze Coin.....	1,360.78	576,913.35

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Bronze
	Dollar \$	50 Cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Calgary.....	224,000.00	171,000.00	402,000.00	148,000.00	65,100.00	68,340.00
Halifax.....	54,000.00	78,000.00	155,000.00	93,000.00	26,700.00	19,500.00
Montreal.....	283,000.00	98,000.00	564,000.00	25,000.00	2,100.00	159,540.00
Ottawa.....	82,327.00	49,448.00	173,181.50	122,000.00	28,000.00	34,000.00
Ottawa for Charlottetown.....						
Ottawa for St. John's, Nfld.....		83,000.00	55,000.00	20,000.00	22,200.00	16,620.00
Regina.....	54,000.00	47,000.00	264,000.00	111,000.00	44,100.00	37,200.00
Saint John, N.B.....	22,000.00	38,000.00	70,000.00	34,000.00	1,500.00	4,320.00
Toronto.....	838,000.00	564,000.00	453,000.00	260,000.00	46,500.00	141,060.00
Vancouver.....	1,315,000.00	335,000.00	75,000.00	130,000.00	83,100.00	46,800.00
Winnipeg.....	134,000.00	6,000.00	220,000.00	146,000.00	59,400.00	50,700.00
Sundry Persons.....	33,237.00	9,152.00	4,576.75	1,830.60	916.00	194.13
Total.....	3,039,564.00	1,478,600.00	2,435,758.25	1,090,830.60	379,616.00	578,274.13

The details of the weights of silver bullion, copper and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized in the following table:

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
	Ounces	Ounces	Ounces	Ounces
SILVER, 800 fine—				
1 dollar			2,386,638.54	2,280,828.57
50 cents			1,712,779.30	1,107,286.85
25 cents	11,130,054.90	10,986,613.70	1,549,846.23	1,747,451.29
10 cents			559,969.35	797,596.99
Total Silver....	11,130,054.90	10,986,613.70	6,209,233.42	5,933,163.70
	Pounds	Pounds	Pounds	Pounds
NICKEL—				
5 cents.....				76,039.17
BRONZE—				
1 cent.....	775,492.00	725,050.25	463,568.00	424,335.95
	Short Tons 769.3	Short Tons 739.2	Short Tons 444.7	Short Tons 453.6

34,266 ounces of worn and mutilated silver coins were melted and cast into ingots for assay and conversion to 800 standard coinage bars; 1,125 pounds of worn bronze coin and 248 pounds of tombac five-cent coins were converted for use in one-cent coinage.

Forty-eight ounces of gold proof plate; fifty-five ounces of silver proof plate; five thousand six hundred and twenty-six ounces of silver discs; eleven hundred pounds of lead discs; were produced for use in the Assay Division.

Five thousand nine hundred and eleven ounces of fine gold cathodes were rolled for use in the electrolysis plant of the Refinery Division.

The comparative tables below show the number of obverse and reverse dies used for the production of each denomination of coin and the average production per pair of dies in 1957 and 1958:—

Denomination	1957				1958			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	496,389	12	6	55,154	3,039,630	84	65	41,076
50 cents.....	2,171,689	36	44	54,292	2,957,266	39	66	56,871
25 cents.....	12,770,190	158	189	73,603	9,336,910	104	142	75,910
10 cents.....	16,110,229	148	113	123,450	10,621,236	130	77	103,119
5 cents.....	7,387,703	57	37	157,185	7,607,521	68	51	128,941
1 cent.....	100,601,792	348	226	350,529	59,385,679	190	111	395,905
	139,537,992	759	615		92,948,242	615	512	
	Average per pair of dies.....			203,112	Average per pair of dies.....			165,095

## DESIGNATED GOLD

During the year five mines deposited gold bullion at the Mint for storage under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for Custom Refining and Storing.

The fine gold content of the bullion deposited under this heading during 1958 amounted to 259,116.867 ounces. Fine bullion amounting to 263,270.498 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## BULLION

Six thousand two hundred and ninety-one deposits of gold bullion were received at the Mint during the year from Canadian Mining Companies and Sundry persons. The gross weight of the deposits amounted to 4,868,066 ounces containing by assay 3,958,459 ounces fine gold and 602,095 ounces fine silver. This includes bullion received under the heading of Designated Gold. The

receipts show an increase as compared with the year 1957 of 352 in the number of deposits, gross weight 69,770 ounces, gold content 62,375 ounces and fine silver 41,292 ounces and was composed of the following:

*Fine Gold—*

361 deposits weighing 365,521.371 ounces with a mean fineness of 996.903

*Crude Bullion—*

5,289 deposits weighing 4,184,213.259 ounces with an average fineness of 794.917 gold, 143.554 silver, and containing 6.1528% base metal

*Scrap (Jewellery and Dental)—*

289 deposits, 17,318.295 ounces at an average fineness of 510.940 gold and 82.735 silver

*Designated Gold—*

352 deposits weighing 301,013.480 ounces with an average fineness of 860.814

The net value paid to depositors was \$125,250,344.43. In addition the amount of fine gold issued to depositors was 266,716.048 ounces.

Details of origin of the bullion deposited for sale to the Mint during the year 1958 are shown in the following table:

From Canadian Mines and Refineries	Gross Weight	Fine Gold	Fine Silver
	Ounces	Ounces	Ounces
Ontario.....	2,862,923.670	2,387,822.603	332,712.38
Quebec.....	837,396.750	644,441.158	140,264.28
British Columbia.....	222,413.520	177,295.565	30,490.23
Manitoba.....	93,601.310	73,853.896	8,993.57
Yukon Territory.....	85,131.270	67,744.734	15,382.93
Nova Scotia.....	141.030	131.390	4.25
North West Territories.....	447,809.090	338,921.974	72,786.29
Alberta and Saskatchewan.....	317.990	281.947	28.45
Total from Canadian Mines and Refineries.....	4,549,734.630	3,690,493.267	600,662.38
From Jewellery and Scrap.....	17,318.295	8,848.613	1,432.84
Grand Total.....	4,567,052.925	3,699,341.880	602,095.22

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	Ounces Fine
9,517 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	3,806,735.868
Depositors—granulated and bars.....	266,716.048
Sales of fine gold.....	4,999.854
Trial Plate for assay purposes.....	7.000
Medals, etc.....	16.219
Sweep.....	10,231.359
	<u>4,088,706.348</u>

This total shows an increase of 311,995.671 ounces fine issued as compared with the year 1957.

The following tables give details of rough bullion received and fine bullion produced during the year:

Receipts	Number of Deposits	Fine Gold	Fine Silver
		Ounces	Ounces
Mines.....	5,650	3,690,493.267	600,662.38
Jewellery and Scrap.....	289	8,848.613	1,432.84
Designated—Mines.....	352	259,116.867	

Produced	Number	Gross Weight	Fine Weight	Average Assay
		Ounces	Ounces	
Fine Gold Bars.....	9,433	3,782,015.450	3,773,312.350	997.7
Granulated Gold.....		7,194.460	7,193.213	999.8
Fine Silver Bars.....	520	584,762.96	584,652.18	999.8
Granulated Silver.....		21,771.96	21,766.94	999.8
Gold Trial Plate.....			7.000	
Gold Medals.....			47.615	
Silver Medals.....			80.83	
Special Gold Bars.....	1	115.814	115.791	999.8
Designated Gold Bars.....	608	243,845.998	243,758.983	999.6
Designated Granulated Gold.....		30,454.230	30,448.164	999.8

Special Processes	Number	Gross Weight
		Ounces
Remelts.....	255	166,016.670
Toughenings.....	2	701.260
		Pounds Avoirdupois
Chloride Reduction.....		84,060.00
Sweeps.....		128,467.00

Details of the assays, etc., made during the year are shown hereunder:

<i>Gold—</i>		
Refinages.....	5,012	
Rough Gold.....	35,471	
Proofs.....	3,267	
Parting Proofs.....	899	
Parting Buttons.....	12,602	
Miscellaneous.....	1,584	
		58,835
<i>Silver—</i>		
Standard Bars.....	12,066	
Pyx.....	3,286	
Proofs.....	649	
Fine Silver.....	1,615	
Worn Coin.....	98	
Miscellaneous.....	176	
		17,890
<i>Miscellaneous—</i>		
For the Marking Act Inspector.....	32	
Mint Residues (sweeps, etc.).....	498	
		530
		77,255



The mean finenesses of the Silver Coinage struck in 1958 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	799.51
50 cents.....	800.00	799.21
25 cents.....	800.00	799.34
10 cents.....	800.00	799.71

Samples from sixty lots of nickel blanks (12,000,000 pieces) were assayed and found to satisfy the specifications.

Twenty-seven suspected coins were received from the Royal Canadian Mounted Police and sundry individuals. Of these, seven 25¢ pieces and one 5¢ piece were found to be counterfeit.

Forty medals and two sets of replicas were gold plated. Ten medals were silver plated.

One working trial plate of gold and one of silver were made and fixed against our standards. Seven ounces of gold trial plate were sold during the year.

## MEDALS

Nineteen hundred ounces of sterling silver and one hundred and seventy pounds of tombac were cast into bars for the production of Governor General's Medals. Two thousand five hundred and fifty two ounces of silver 800 fine were cast into bars for Royal Canadian Mounted Police Long Service Medals.

A Proclamation respecting a change in the reverse design of the fifty cent coin to be issued in 1959 will be found in the appendix. The official description is contained therein. The new die was designed and modeled at the Royal Canadian Mint by the Mint Engraver. The master die was cut from a plastic reproduction of the model on the three dimensional pantograph machine.

The following medals were struck and issued during 1958:

For the Royal Canadian Mounted Police—	
Long Service and Good Conduct Medals, silver, 800 fine.....	74
For the Professional Institute of the Public Service of Canada—	
Medals, 14 kt. gold.....	2
Replicas of Medal, thin copper, gold plated.....	2
For the Royal Society of Canada—.....	3
One Flavelle Medal, 14 kt. gold	
One Tyrrel Medal, fine gold	
One Lorne Pierce Medal, 14 kt. gold	
For the Canadian Institute of Chartered Accountants—	
Chartered Accountancy Award, 18 kt. gold.....	1
For the Engineering Institute of Canada—	
Leonard Medal, 10 kt. gold.....	1
Ross Medal, 10 kt. gold.....	1
Plummer Medal, 10 kt. gold.....	1
Julian C. Smith Medals, tombac.....	2



For His Excellency the Right Honourable Vincent Massey, C.H.—	
Governor General's Medals, silver, 925 fine (gilded).....	15
Governor General's Medals, silver, 925 fine.....	80
Governor General's Medals, tombac, toned.....	260
For the Art Directors Club—	
Art Directors Club Medals, silver, 925 fine.....	5
For the Royal Architectural Institute of Canada—	
Massey Foundation Medal, tombac with gold finish.....	1
Massey Foundation Medals, tombac with toned silver finish.....	9
For the University of Toronto—	
International Congress of Mathematicians Medals, 14 kt. gold....	2

All the above medals, except those for His Excellency the Right Honourable Vincent Massey, C. H. and the Art Directors Club were engraved with the names of the recipients.

## PLANT AND EQUIPMENT

A small two storey addition to the Mint building was completed by the contractor and taken over by the Department early in the year. Our own mechanical and electrical staff installed water, steam, gas, electricity and compressed air services. The addition is located in what was formerly a small courtyard between the annealing room and carpenter shop in the Coining and Medal Division. The medal plant, which was scattered throughout the division, is now consolidated in the new addition.

Two identical 60 ton coining presses were purchased from Taylor and Challen Limited, Birmingham, England and have been put into operation. They are being used to strike coins of twenty-five cent denomination and smaller. They replace two presses which had been in operation since the early days of the Mint and had passed the point of economic repair.

A new rectifier for the chromium plating plant was designed and built by Mint technicians from components purchased commercially.

An oil quench bath for the heat treating of steel was built and put into operation.

The mechanical and electrical sections of the staff were kept fully occupied during the year, not only on the above mentioned projects, but on the many day-to-day maintenance problems and also the manufacture of coinage and medal dies, collars and blanking tools incidental to the production of coins and fine gold.

## GENERAL

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by officers of the Auditor General's Department in February.

The Assay Commissioners, Mr. W. L. Chase of the Department of Mines and Technical Surveys, Mr. D. S. Smith and Dr. B. A. Gingras of the National Research Council appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the currency of Canada struck at the Royal Canadian Mint during 1957 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge A. G. McDougall, on the 6th day of May, 1958.

The findings of the Commissioners indicated that the coins examined were found within the legal remedy as to weight and fineness.

Twenty-eight thousand, one hundred and eight visitors were admitted to view the coining operations of the Mint during the year.

The number on the staff as at 31st December, 1958, was 190. Of this number 29 were employed in the Administrative and Mint Office Division, 108 in the Coining and Medal Division, 16 in the Assay Division and 37 in the Refinery.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, net circulation of coin in Canada, financial statements for the calendar year 1958 and a Proclamation respecting a change in the design (reverse) of the fifty-cent coin are appended herewith.

Respectfully submitted,

N. A. PARKER,

*Master, Royal Canadian Mint.*

## APPENDIX A

Summary of transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931, to December 31, 1958.

YEAR	GOLD RECEIVED		GOLD ISSUED	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1948.....	111,333,678.405	89,862,299.426	383,319.096	89,392,530.928
1949.....	4,941,749.248	3,925,617.709		3,865,296.377
1950.....	5,485,956.751	4,422,968.129		4,347,961.898
1951.....	5,246,758.942	4,169,479.513		4,167,485.874
1952.....	4,848,048.381	3,953,158.154		4,031,068.071
1953.....	4,642,410.478	3,684,073.637		3,626,496.738
1954.....	4,768,451.365	3,829,430.609		3,998,835.566
1955.....	4,878,918.379	3,947,636.509		3,952,764.485
1956.....	4,693,484.529	3,801,788.815		3,774,599.457
1957.....	4,798,296.343	3,896,083.563		3,776,710.677
1958.....	4,868,066.405	3,958,458.747		4,088,706.348
	160,505,819.226	129,450,994.811	383,319.096	129,022,456.419



# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel 5¢ \$	Tombac 5¢ \$	Steel 5¢ \$	Bronze	
				1¢ \$	1/2¢ \$
{ New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada. 1858 to 1907. }				20,000	1,114
				26,000	4,000
				10,000	
				803,315	
Total.....				859,315	5,114
1908 to 1948.....	6,155,775.50	1,407,824.50	1,521,300.00	8,438,006.00	
1949.....	637,500.10			321,901.02	
1950.....	640,510.40			607,003.08	
1951.....	423,003.20		182,829.35	783,329.12	
1952.....	597.80		576,965.00	683,820.86	
1953.....	233.75		831,914.75	655,129.75	
1954.....	27.05		350,229.50	263,897.03	
1955.....	267,801.00			566,863.07	
1956.....	469,992.70			786,855.35	
1957.....	366,493.10			1,004,220.54	
1958.....	379,616.00			578,274.13	
	9,341,550.60	1,407,824.50	3,463,238.60	15,548,614.95	5,114



# APPENDIX C CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905.....	10,487,774	.....	.....	.....	791,429	11,279,203	1.85
1910.....	14,327,662	.....	.....	.....	967,353	15,295,015	2.03
1915.....	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920.....	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925.....	27,713,019 <sup>(1)</sup>	.....	.....	.....	2,020,470	29,733,489	3.20
1930.....	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1935.....	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1936.....	28,442,074	2,650,891	.....	.....	2,904,288	33,997,253	3.10
1937.....	29,387,857	2,899,361	.....	.....	3,003,286	35,290,504	3.20
1938.....	30,482,924	3,051,594	.....	.....	3,091,873	36,626,391	3.28
1939.....	32,236,145	3,355,906	.....	.....	3,276,771	38,868,822	3.45
1940.....	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1941.....	40,339,221	4,467,463	.....	.....	4,648,567	49,455,251	4.30
1942.....	44,011,038	4,827,596	169,424	.....	5,422,131	54,430,189	4.67
1943.....	51,009,046	4,826,033	1,407,424	.....	6,300,627	63,543,130	5.39
1944.....	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945.....	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946.....	59,944,549	5,113,103	1,155,791	1,520,849	75,758,839	75,758,839	6.16
1947.....	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948.....	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949.....	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950.....	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951.....	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952.....	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953.....	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954.....	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955.....	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956.....	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957.....	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958.....	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32

<sup>(1)</sup> Decrease due to withdrawal of worn and mutilated silver coins from circulation.

## APPENDIX D

## ROYAL CANADIAN MINT

## COINAGE AND BULLION OPERATIONS, 1958

## GOLD BULLION

	Fine Ounces	Value
Gold on hand, December 31, 1957.....	282,405.390	\$ 9,204,606.82
Gold purchased at various rates.....	3,699,341.880	125,759,596.77
Gain in operations.....	1,494.110	51,215.29
Adjustment in valuation of gold.....		438,075.27
	<u>3,983,241.380</u>	<u>\$135,453,494.15</u>
Less: Gold sold at various rates.....	3,825,435.850	130,073,032.01
Balance on hand, December 31, 1958.....	<u>157,805.530</u>	<u>\$ 5,380,462.14</u>

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1957.....		\$ 127,953.26
Bullion purchased.....		520,572.83
Treatment charges—Sweep.....		7,903.70
		<u>\$ 656,429.79</u>
Less: Bullion transferred to silver coinage		
account.....	\$ 453,058.74	
Bullion sold.....	32,239.37	
Net loss on operations.....	<u>16,526.21</u>	
		<u>501,824.32</u>
Balance, December 31, 1958.....		<u>\$ 154,605.47</u>

## SILVER COINAGE ACCOUNT

Balance, December 31, 1957.....	\$ 2,897,035.14
Bullion and alloy purchased or transferred.....	5,033,545.92
Worn coin purchased (withdrawn for recoinage).....	43,713.70
Net gain on coinage credited to Consolidated Revenue	
Fund.....	<u>3,738,716.28</u>
	<u>\$ 11,713,011.04</u>
Less: Coin sold.....	8,044,752.85
Balance, December 31, 1958.....	<u>\$ 3,668,258.19</u>

## NICKEL COINAGE ACCOUNT

Balance, December 31, 1957.....	\$ 134,868.54
Metal purchased.....	224,292.99
Mutilated coin purchased.....	1,010.25
Net gain on coinage credited to Consolidated Revenue	
Fund.....	<u>236,078.20</u>
	<u>\$ 596,249.98</u>
Less: Coin sold.....	379,616.00
Balance, December 31, 1958.....	<u>\$ 216,633.98</u>

## APPENDIX D—Concluded

## BRONZE COINAGE ACCOUNT

	Value		Value
Balance, December 31, 1957.....		\$	120,527.86
Metal purchased.....			118,268.55
Worn coin purchased (withdrawn for recoinage).....			2,477.24
Net gain on coinage credited to Consolidated Revenue Fund.....			467,983.73
		\$	709,257.38
Less: Coin sold.....	\$ 578,274.13		
Alloy transferred to silver coinage account.....	9,629.00		
Metal in medals sold.....	46.60		587,949.73
			<hr/>
Balance, December 31, 1958.....		\$	121,307.65
			<hr/> <hr/>

## STEEL COINAGE ACCOUNT

Balance, December 31, 1957.....	\$	2,638.12
Mutilated coin purchased.....		816.85
		<hr/>
Balance, December 31, 1958.....	\$	3,454.97
		<hr/> <hr/>

## APPENDIX E

### FINANCIAL STATEMENT

#### STATEMENT OF INCOME AND EXPENDITURES FOR THE YEAR ENDED 31 DECEMBER, 1958

## INCOME:

## Gold

Refining and Assaying charges.....	\$ 168,976.67	
Handling charges.....	743,480.04	
Charges—Storage, Packing, Sales, etc.....	29,864.57	
Net Gain in Refining and Revaluation of gold....	489,290.56	
		<u>\$ 1,431,611.84</u>

## Coinage

## Net Gain on:

Silver Bullion—Coinage and Medals.....	3,722,190.07	
Bronze Coinage.....	467,983.73	
Nickel Coinage.....	236,078.20	
		<u>4,426,252.00</u>

Charges—manufacturing Medals, etc.....	13,302.31	
Proceeds from Sales—medal cases, etc.....	721.95	
		<u>\$ 5,871,888.10</u>

## EXPENDITURES:

Salaries.....	\$ 815,739.49
Commissionaire Services.....	11,895.24
Travelling Expenses.....	240.80
Express on Coin Shipments.....	89,027.08
Freight, Express and Cartage.....	2,452.98
Postage.....	83.35
Telephones and Telegrams.....	113.32
Printing of Annual Report.....	222.16
Office Stationery, Supplies and Equipment.....	3,711.97
Supplies—Coining and Medal work.....	31,189.01
Refining and Assaying.....	40,334.08
Acquisition of Equipment.....	63,018.43
Repairs and Upkeep of Equipment.....	30,671.14
Power, Light and Gas.....	39,493.00
Sundries.....	5,451.18
Total Expenditures.....	<u>\$ 1,133,643.23</u>

Excess of income over expenditure in the year ended December 31, 1958 \$ 4,738,244.87

NOTE:—The total shown for income does not reflect the value of services rendered free of charges to other departments, nor does the total shown for expenditures reflect any charges for premises owned by the Government and occupied by the Mint or for certain accounting and miscellaneous services provided by other departments.

## APPENDIX F

CURRENCY, MINT AND EXCHANGE FUND ACT—  
CHANGE IN THE DESIGN OF THE FIFTY CENT COIN

ROBERT TASCHEREAU,  
Deputy Governor General.  
(L.S.)

## CANADA

ELIZABETH THE SECOND, by the Grace of God of the United Kingdom,  
Canada and Her other Realms and Territories QUEEN, Head of the  
Commonwealth, Defender of the Faith.

To ALL TO WHOM these Presents shall come or whom the same may in anywise  
concern,

GREETING:

## A PROCLAMATION

W. R. JACKETT, Deputy Attorney General, Canada.	}	WHEREAS in and by section eight of the Cur- rency, Mint and Exchange Fund Act, Chapter 315 of the Revised Statutes of Canada, 1952, it is provided that our Governor in Council may by proclama- tion prescribe the design of any coin.
-------------------------------------------------------	---	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

AND WHEREAS a change has been made in the design of the Canadian Coat  
of Arms and it is desirable to make a change in the design of the fifty cent coin,  
which bears for the reverse impression between Supporters the Ensigns Armorial  
of Canada.

NOW KNOW YE that by and with the advice of Our Privy Council for  
Canada We do hereby proclaim, direct and determine that, effective the first  
day of January, 1959, the design for the reverse impression of the fifty cent coin  
shall be as hereinafter set out, viz:

Fifty Cents—The Arms or Ensigns Armorial of Canada, upper  
left "CANADA", the date of the year above,  
upper right "50 cents", with a graining upon the  
edge.

OF ALL WHICH Our Loving Subjects and all others whom these Presents  
may concern are hereby required to take notice and to govern themselves accord-  
ingly.

IN TESTIMONY WHEREOF We have caused these Our Letters to be made  
Patent and the Great Seal of Canada to be hereunto affixed. WITNESS: The  
Honourable Robert Taschereau, Puisne Judge of the Supreme Court of Canada  
Deputy of Our Right Trusty and Well-beloved Counsellor, VINCENT MASSEY,  
Member of Our Order of the Companions of Honour, Governor General and  
Commander-in-Chief of Canada.

AT OTTAWA, this Third day of October in the year of Our Lord one thousand  
nine hundred and fifty-eight and in the seventh year of Our Reign.

By Command,

C. STEIN,  
*Under Secretary of State.*







Government  
Publications



~~Gov. Doc~~  
~~Can~~  
~~R~~

Canada, Royal Canadian Mint

CAI  
RM  
-R74

Government  
Publications



CANADA

DEPARTMENT OF FINANCE

# ROYAL CANADIAN MINT

Report  
For Calendar Year  
1959









CANADA

DEPARTMENT OF FINANCE

# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT

For Calendar Year  
1959

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# ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
Ottawa.

SIR:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1959.

## COINAGE

The number of pieces struck in 1959 was 132,901,797. This is the third highest production figure since the Mint was first established in 1908, being exceeded only in the years 1943 and 1957 when the comparative figures were 151,684,612 and 139,537,992 pieces respectively.

Comparative statements of the issue and production of coin by denomination for the years 1958 and 1959 are shown hereunder:

### COINAGE ISSUE IN 1958 AND 1959

Denomination	1958	1959
	\$	\$
SILVER COIN—		
1 dollar .....	3,039,564.00	1,436,160.00
50 cents .....	1,478,600.00	1,547,330.50
25 cents .....	2,435,758.25	3,311,905.00
10 cents .....	1,090,830.60	1,978,168.00
Total Silver .....	8,044,752.85	8,273,563.50
NICKEL COIN—		
5 cents .....	379,616.00	576,680.40
BRONZE COIN—		
1 cent .....	578,274.13	829,116.42
Total .....	9,002,642.98	9,679,360.32
Representing	Number of Pieces	
Total .....	92,067,836	132,005,371

### Coinage Production in 1958 and 1959

CANADA	1958	1959
	Pieces	Pieces
SILVER, 800 fine—		
1 dollar .....	3,039,630	1,443,502
50 cents .....	2,957,266	3,095,535
25 cents .....	9,336,910	13,503,461
10 cents .....	10,621,236	19,691,433
NICKEL—		
5 cents .....	7,607,521	11,552,523
BRONZE—		
1 cent .....	59,385,679	83,615,343
	92,948,242	132,901,797

## Worn and mutilated coin withdrawn from circulation

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	49,580.50	8,223,983.00
Nickel Coin—5 cents (mutilated only).....	1,149.45	575,530.95
Tombac Coin—5 cents.....	393.15	.....
Steel Coin—5 cents.....	853.25	.....
Bronze Coin.....	1,050.92	828,065.50

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Bronze
	Dollar \$	50 Cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Calgary.....	136,000.00	110,000.00	316,000.00	144,000.00	66,900.00	69,660.00
Halifax.....	28,000.00	78,000.00	238,000.00	139,000.00	38,700.00	72,000.00
Montreal.....	205,000.00	65,000.00	932,000.00	167,000.00	73,500.00	153,000.00
Ottawa.....	74,000.00	57,000.00	278,000.00	345,000.00	75,600.00	28,700.00
Ottawa for Charlottetown.....	.....	.....	.....	.....	.....	.....
Ottawa for St. John's, Nfld..	2,000.00	65,500.00	40,000.00	25,000.00	9,000.00	32,820.00
Regina.....	47,000.00	66,000.00	263,000.00	123,000.00	38,700.00	58,800.00
Saint John, N.B.....	25,000.00	22,000.00	75,000.00	22,000.00	1,500.00	4,200.00
Toronto.....	683,000.00	659,000.00	751,000.00	775,000.00	201,000.00	256,620.00
Vancouver.....	73,000.00	371,000.00	51,000.00	110,000.00	22,500.00	88,200.00
Winnipeg.....	118,000.00	38,000.00	360,000.00	125,000.00	47,700.00	64,800.00
Sundry Persons.....	45,160.00	15,830.50	7,905.00	3,168.00	1,580.40	316.42
Total.....	1,436,160.00	1,547,330.50	3,311,905.00	1,978,168.00	576,680.40	829,116.42

The following table shows the distribution of uncirculated coin issued to Sundry Persons by the Numismatic Section of the Mint for the year 1959:

	Silver				Nickel	Bronze
	Dollar \$	50 Cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Issued in Mint sets.....	31,577.00	15,788.50	7,894.25	3,157.70	1,578.85	315.77
Issued separately.....	13,583.00	42.00	10.75	10.30	1.55	0.65
Total.....	45,160.00	15,830.50	7,905.00	3,168.00	1,580.40	316.42



Details of the weights of silver bullion, copper and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized below:

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
	Ounces	Ounces	Ounces	Ounces
SILVER, 800 fine—				
1 dollar			1,309,196.64	1,084,717.97
50 cents			1,265,674.99	1,159,838.23
25 cents	12,378,292.80	12,028,007.20	2,974,104.59	2,533,231.64
10 cents			1,717,320.05	1,481,885.57
Total Silver.....	12,378,292.80	12,028,007.20	7,266,296.27	6,259,673.41
	Pounds	Pounds	Pounds	Pounds
NICKEL—				
5 cents.....				115,402.36
BRONZE—				
1 cent.....	839,104.00	801,983.90	527,464.00	598,642.19
	Short Tons 844.0	Short Tons 813.4	Short Tons 512.9	Short Tons 571.6

In addition to 844 tons of coinage bars produced during the year there were 34,632 ounces of worn and mutilated Canadian Silver coins, which had been withdrawn from circulation, cast into 1,000 ounce ingots for assaying and conversion to 800 standard coinage bars; 755 pounds worn bronze coin melted into one-cent coinage bars and 120 pounds tombac five-cent worn coin converted into one-cent bars.

One hundred and seven ounces of gold proof plate; three thousand nine hundred and twenty-eight ounces of silver discs; six hundred ounces of copper discs; four hundred and twenty pounds of lead discs; were produced for use in the Assay Division.

Five thousand four hundred and forty ounces of fine gold cathodes were rolled for use in the electrolysis plant of the Refinery Division.

The number of dies used in the striking of coins of all denominations and the average production from each pair of dies in 1958 and 1959 are shown in the comparative tables below:

Denomination	1958				1959			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	3,039,630	84	65	41,076	1,443,502	39	55	30,713
50 cents.....	2,957,266	39	66	56,871	3,095,535	69	61	47,624
25 cents.....	9,336,910	104	142	75,910	13,503,461	183	211	68,545
10 cents.....	10,621,236	130	77	103,119	19,691,433	266	153	93,993
5 cents.....	7,607,521	68	51	128,941	11,552,523	115	77	120,339
1 cent.....	59,385,679	190	111	395,905	83,615,343	341	185	317,929
	92,948,242	615	512		132,901,797	1,013	742	
	Average per pair of dies.....			165,095	Average per pair of dies.....			151,455

## GOLD STORAGE

During the year ten mines deposited gold bullion at the Mint under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for storage.

The fine gold content of the bullion deposited under this heading during 1959 amounted to 1,214,607.181 ounces. Fine bullion amounting to 1,171,367.538 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## BULLION

Six thousand one hundred and twenty-two deposits of gold bullion were received at the Mint during the year from Canadian Mining Companies and Sundry persons. The gross weight of the deposits amounted to 4,805,494 ounces containing by assay 3,908,640 ounces fine gold and 551,412 ounces fine silver. This includes bullion received under the heading of Gold Storage. The receipts show a decrease as compared with the year 1958 of 169 in the number of deposits, gross weight 62,572 ounces, gold content 49,819 ounces and fine silver 50,683 ounces and was composed of the following:

### *Fine Gold—*

354 deposits weighing 337,286.221 ounces with a mean fineness of 997.388

### *Crude Bullion—*

3,831 deposits weighing 3,017,914.049 ounces with an average fineness of 778.982 gold, 123.513 silver and containing 6.5142% base metal

### *Scrap (Jewellery and Dental)—*

264 deposits, 14,981.070 ounces at an average fineness of 449.105 gold and 92.231 silver

### *Gold for Storage—*

1,673 deposits weighing 1,435,312.180 ounces with an average fineness of 846.232

The net value paid to depositors was \$90,164,875.37. In addition the amount of fine gold issued to depositors was 1,175,087.932 ounces.

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	Ounces Fine
6,622 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	2,647,047.089
Depositors—granulated and bars.....	1,175,087.932
Sales of fine gold.....	5,500.441
Trial Plate for assay purposes.....	4.000
Medals, etc.....	14.316
Sweep.....	9,026.064
	<hr/> 3,836,679.842 <hr/>

This total shows a decrease of 252,026.506 ounces fine issued as compared with the year 1958.

Details of origin of the bullion deposited for sale to Her Majesty and for gold storage during the year 1959 are shown in the following table:

From Canadian Mines and Refineries	Sale to Her Majesty		Gold Storage		Total	
	Gross Weight Ounces	Fine Gold Ounces	Gross Weight Ounces	Fine Gold Ounces	Gross Weight Ounces	Total Fine Silver Ounces
Ontario.....	1,899,171.560	1,555,989.187	1,155,625.860	1,020,740.184	3,054,797.420	297,259.25
Quebec.....	831,393.220	657,727.911	47,701.500	14,849.166	879,094.720	135,933.10
British Columbia.....	193,074.780	154,169.032			193,074.780	26,064.92
Manitoba.....	39,903.300	29,353.720			39,903.300	4,835.86
Yukon Territory.....	83,615.820	66,959.072			83,615.820	13,822.30
North West Territories.....	307,814.540	222,905.700	231,984.820	179,017.831	539,799.360	72,096.47
Alberta.....	227.050	200.314			227.050	18.83
Total from Canadian Mines and Refineries.....	3,355,200.270	2,687,304.936	1,435,312.180	1,214,607.181	4,790,512.450	550,030.73
From Jewellery and Scrap.....	14,981.070	6,728.068			14,981.070	1,381.72
Grand Total.....	3,370,181.340	2,694,033.004	1,435,312.180	1,214,607.181	4,805,493.520	551,412.45

The following tables give details of rough bullion received and fine bullion produced during the year:

Receipts	Number of Deposits	Fine Gold	Fine Silver
		Ounces	Ounces
Mines—Sale to Her Majesty.....	4,185	2,687,304.936	550,030.73
Gold Storage.....	1,673	1,214,607.181	
Jewellery and Scrap—Sale to Her Majesty.....	264	6,728.068	1,381.72

Produced	Number	Gross Weight	Fine Weight	Average Assay
		Ounces	Ounces	
Fine Gold Bars.....	6,592	2,640,565.775	2,634,702.363	997.8
Granulated Gold.....		9,725.160	9,722.579	999.7
Fine Silver Bars.....	516	579,113.29	578,968.72	999.8
Granulated Silver.....		3,338.14	3,337.47	999.8
Gold Trial Plate.....			4.000	
Gold Medals.....			0.282	
Silver Medals.....			0.14	
Storage—Gold Bars.....	3,119	1,249,964.247	1,247,644.380	998.1
Granulated Gold....		13,176.130	13,172.774	999.7

Special Processes	Number	Gross Weight
		Ounces
Remelts.....	178	96,746.920
Toughenings.....	3	1,506.060
		Pounds
		Avoirdupois
Chloride Reduction.....		86,803.00
Sweeps.....		131,343.50

Details of the assays, etc., made during the year are shown hereunder:

<i>Gold—</i>		
Refinages.....	5,714	
Rough Gold.....	33,892	
Proofs.....	3,225	
Parting Proofs.....	845	
Parting Buttons.....	11,874	
Miscellaneous.....	1,575	
		57,125
<i>Silver—</i>		
Standard Bars.....	9,918	
Pyx.....	3,446	
Proofs.....	520	
Fine Silver.....	1,698	
Worn Coin.....	40	
Miscellaneous.....	39	
		15,661
<i>Miscellaneous—</i>		
For the Marking Act Inspector.....	50	
Mint Residues (sweeps, etc.).....	403	
		453
		73,239



The mean finenesses of the Silver Coinage struck in 1959 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	798.85
50 cents.....	800.00	799.23
25 cents.....	800.00	799.29
10 cents.....	800.00	799.43

Samples from twenty-five lots of nickel blanks (5,000,000 pieces) were assayed and found to satisfy the specifications.

Sixteen suspected counterfeit coins were received from the Royal Canadian Mounted Police and sundry individuals. Of these coins, two 25¢ pieces were found to be counterfeit.

Ninety-six medals and two sets of replicas were gold plated. One medal was silver plated.

Two working trial plates of gold were made and fixed. Four ounces of gold trial plate were sold during the year.

### MEDALS

Nineteen hundred and twenty-five ounces of sterling silver were cast into bars for Governor General's Medals and miscellaneous use. Two thousand eight hundred and fifty-seven pounds of tombac metal were cast for campaign stars.

At the request of the Massey Foundation a medal, to be presented on the recommendation of the Royal Canadian Geographical Society, was struck in silver and gold plated.

The obverse and reverse were both designed by Mr. Alan Beddoe and were modelled from his sketches by the Mint Engravers. The obverse depicts the Coat of Arms of the Society with the name of the Society around the edge. The reverse has "The Massey Medal" under the Hart and Tower Crest of the Massey Foundation. "For Outstanding Personal Achievement" is around the edge (see plate I).

At the request of the Secretary of State a new interim Seal was made for the Governor General. At the top of the outer rim the words "Governor General"—"Gouverneur Général" appear and "Canada" at the bottom. The St. Edward's Crown surmounts the shield of the new Canadian Coat of Arms in the center.

Also for the Secretary of State Department a new seal was made for the Trade Marks office. The outer rim is engraved with the words "Trade Marks"—"Marques de Commerce" "Canada". The St. Edward's Crown with the shield of the new Canadian Coat of Arms is in the center.

The following medals were struck and issued during 1959:

For Department of Veterans Affairs—	
Air Crew Europe Stars, Tombac.....	1,000
Clasps for Africa Stars (North Africa 1942-43), Tombac.....	500
For Royal Canadian Mounted Police—	
Long Service Medals, Silver, 800 fine.....	111
For The Professional Institute of the Public Service of Canada—	
Medals, Gold, 14 kt.....	2
Replicas of Medal, thin copper, gold plated.....	2



For The Royal Society of Canada—	
Flavelle Medal, Gold, 14 kt.....	1
Henry Marshall Tory Medal, Gold, 18 kt.....	1
Lorne Pierce Medal, Gold, 14 kt.....	1
Tyrrell Medal, Gold, fine.....	1
Willet G. Miller Medal, Gold, 18 kt.....	1
For The Canadian Institute of Chartered Accountants—	
Chartered Accountancy Award, Gold, 18 kt.....	1
For The Engineering Institute of Canada—	
Gzowski Medals, Gold, 10 kt.....	2
Leonard Medal, Gold, 10 kt.....	1
Ross Medal, Gold, 10 kt.....	1
Plummer Medal, Gold, 10 kt.....	1
Julian C. Smith Medals, Tombac.....	2
Sir John Kennedy Medal, Tombac.....	1
For His Excellency the Right Honourable Vincent Massey, C.H.—	
Governor General's Medals, Silver, 925 fine (gilded).....	15
Governor General's Medals, Silver, 925 fine (toned).....	85
Governor General's Medals, Tombac, (toned).....	270
Governor General's Crests, Silver, 925 fine (gilded).....	108
For The Royal Architectural Institute of Canada—	
Massey Foundation Medal, Tombac with silver finish.....	1
For The Royal Canadian Geographical Society—	
The Massey Medal, Silver, 800 fine with gold finish.....	2
For Art Directors Club—	
Art Directors Club Medals, Silver, 925 fine.....	7
For Royal Canadian Mint—	
Royal Canadian Mint Long Service Medals, Silver, 925 fine.....	4

All the above medals except those for the Department of Veterans Affairs, His Excellency the Right Honourable Vincent Massey, C.H. and the Art Directors Club were engraved with the names of the recipients.

## PLANT AND EQUIPMENT

A new sixty ton coining press was purchased from Messrs. Taylor and Challen Limited of Birmingham, England and was put into operation. This machine replaces one which was well past the point of economic repair.

An interesting forward-reverse inching control was devised by the Mint electricians and installed on the last four new presses. It aids materially in "setting up" the press, enabling the craftsman to bring the dies together almost imperceptibly and to stop and hold them in any desired position.

A ten inch tool-room lathe and a tool and cutter grinder were purchased for use in the machine shop, replacing equipment which had been obtained through War Assets Corporation after the war.

In addition to the above major projects many smaller ones were undertaken by our own shops, among them being: new electric control panel for Assay Division furnaces; trucks for handling bars in Melting House; coil holders for cutting room and rolling room; new lead coil for acid tank; new button furnace and controls for Assay Division; scratch brushing machine for medal branch.

All the above, in addition to the current maintenance work necessary to the production of coins and fine gold, kept the mechanical and electrical sections of the staff fully occupied during the year.

## GENERAL

For the year 1958 the reverse impression of the dollar coin was struck with a design to commemorate the one hundredth anniversary of the gold rush and the creation of British Columbia as a Crown colony in 1858 (see plate II). Effective first January, 1959, a change was made in the design of the fifty cent coin which bears for the reverse impression the Arms or Ensign Armorial of Canada (see plate III). This new design now conforms with the change made in the design of the Canadian Coat of Arms. No other changes have been made in coin design since 1953.

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by officers of the Auditor General's Department in February.

The Assay Commissioners, Mr. G. H. Faye of the Department of Mines and Technical Surveys, Mr. D. S. Russell and Dr. A. G. Mungall of the National Research Council appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the currency of Canada struck at the Royal Canadian Mint during 1958 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge A. G. McDougall, on the 5th day of May, 1959.

The findings of the Commissioners, at the Trial of the Pyx, show that the weight and fineness of the coins tested were within the remedy as prescribed by law.

Thirty-one thousand and eighty-one visitors were admitted to view the coining operations of the Mint during the year.

The number on the staff as at 31st December, 1959, was 193. Of this number 31 were employed in the Administrative and Mint Office Division, 110 in the Coining and Medal Division, 15 in the Assay Division and 37 in the Refinery.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, circulation of coin in Canada and statements of coinage and bullion operations for the calendar year 1959, together with the Gold Bullion Regulations, 1959, are appended herewith.

Respectfully submitted,

N. A. PARKER,

*Master, Royal Canadian Mint.*

## APPENDIX A

SUMMARY OF TRANSACTIONS IN GOLD BULLION OF THE OTTAWA BRANCH OF THE ROYAL MINT FROM ITS OPENING ON JANUARY 2, 1908, TO ITS DISESTABLISHMENT ON NOVEMBER 30, 1931, AND OF THE ROYAL CANADIAN MINT FROM DECEMBER 1, 1931, TO DECEMBER 31, 1959.

Y <small>EAR</small>	G <small>OLD RECEIVED</small>		G <small>OLD ISSUED</small>	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1949.....	116,275,427.653	93,787,917.135	383,319.096	93,257,827.305
1950.....	5,485,956.751	4,422,968.129	.....	4,347,961.898
1951.....	5,246,758.942	4,169,479.513	.....	4,167,485.874
1952.....	4,848,048.381	3,953,158.154	.....	4,031,068.071
1953.....	4,642,410.478	3,684,073.637	.....	3,626,496.738
1954.....	4,768,451.365	3,829,430.609	.....	3,998,835.566
1955.....	4,878,918.379	3,947,636.509	.....	3,952,764.485
1956.....	4,693,484.529	3,801,788.815	.....	3,774,599.457
1957.....	4,798,296.343	3,896,083.563	.....	3,776,710.677
1958.....	4,868,066.405	3,958,458.747	.....	4,088,706.348
1959.....	4,805,493.520	3,908,640.185	.....	3,836,679.842
	165,311,312.746	133,359,634.996	383,319.096	132,859,136.261



PLATE I





PLATE II



(ENLARGED)

PLATE III



(ENLARGED)



# APPENDIX B (1) COIN ISSUED IN CANADA

SILVER									
		Dollar \$	50¢ \$	25¢ \$	20¢ \$	10¢ \$	5¢ \$	Total Silver \$	
1858 to 1907	New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada, 1858-1907.				60,000	25,000	10,000	95,000	
			1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996	
			1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996	
Totals.....									
GOLD									
		Sover- eigns £	\$10 \$	\$5 \$					
1908 to 1959		627,834	3,480,380	1,388,070					
					10,834,901.00	29,307,725.50	18,651,444.60	3,084,802	65,032,821.10
					1,154,054.00	2,394,027.00	1,794,011.40		5,641,805.40
					1,238,499.00	2,105,240.00	1,458,115.10		5,213,677.10
					1,140,158.50	2,225,737.00	1,101,312.90		4,869,552.40
					908,020.50	2,462,165.50	1,705,771.70		6,138,685.70
					330,450.50	752,021.25	520,002.30		1,864,968.05
					376,755.50	2,388,126.25	1,229,464.90		4,269,156.65
					689,749.50	2,817,338.25	1,673,284.40		5,389,464.15
					1,085,844.50	3,091,000.25	1,563,195.20		6,236,428.95
					1,478,600.00	2,435,758.25	1,090,830.60		8,044,752.85
					1,547,330.50	3,311,905.00	1,978,168.00		8,273,563.50
		627,834	3,480,380	1,388,070	22,033,381.50	58,386,022.25	35,830,601.10	6,020,802	133,529,871.85

# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel 5¢ \$	Tombac 5¢ \$	Steel 5¢ \$	Bronze	
				1¢ \$	$\frac{3}{4}$ ¢ \$
1858 to 1907	{ New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada, 1858 to 1907. } Struck in England			20,000	1,114
				26,000	4,000
				10,000	
				803,315	
Totals.....				859,315	5,114
1908 to 1949.....	6,793,275.60	1,407,824.50	1,521,300.00	8,759,907.02	
1950.....	640,510.40			607,003.08	
1951.....	423,003.20			783,329.12	
1952.....	597.80			683,820.86	
1953.....	233.75			655,129.75	
1954.....	27.05			263,897.03	
1955.....	267,801.00			566,863.07	
1956.....	469,992.70			786,855.35	
1957.....	366,493.10			1,004,220.54	
1958.....	379,616.00			578,274.13	
1959.....	576,680.40			829,116.42	
	9,918,231.00	1,407,824.50	3,463,238.60	16,377,731.37	5,114

# APPENDIX C CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905	10,487,774				791,429	11,279,203	1.85
1910	14,327,662				967,353	15,295,015	2.03
1915	18,588,573				1,212,588	19,801,161	2.51
1920	28,384,850				1,895,783	30,280,633	3.51
1925	27,713,019 <sup>(1)</sup>				2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525			2,297,405	32,354,260	3.17
1935	28,407,168	2,449,278			2,818,341	33,674,787	3.11
1936	28,442,074	2,650,891			2,904,288	33,997,253	3.10
1937	29,387,857	2,899,361			3,003,286	35,290,504	3.20
1938	30,482,924	3,051,594			3,091,873	36,626,391	3.28
1939	32,236,145	3,355,906			3,276,771	38,868,822	3.45
1940	36,944,040	4,015,232			4,092,234	45,051,506	3.96
1941	40,339,221	4,467,463			4,648,567	49,455,251	4.30
1942	44,011,038	4,827,596	169,424		5,422,131	54,430,189	4.67
1943	51,009,046	4,826,033	1,407,424		6,300,627	63,543,130	5.39
1944	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68

<sup>(1)</sup> Decrease due to withdrawal of worn and mutilated silver coins from circulation.



## APPENDIX D

ROYAL CANADIAN MINT  
COINAGE AND BULLION OPERATIONS, 1959

## GOLD BULLION

	Fine Ounces	Value	Fine Ounces	Value
Gold on hand, December 31, 1958.....			157,805.530	\$ 5,380,462.14
Gold purchased at various rates.....			2,694,033.174	90,513,445.50
Gain on operations.....			1,011.263	34,436.35
			<u>2,852,849.967</u>	<u>\$95,928,343.99</u>
Less: Gold sold at various rates.....	2,665,312.304	\$89,547,282.48		
Adjustment in valuation of gold.....		41,425.92		
			<u>2,665,312.304</u>	<u>89,588,708.40</u>
Balance held at December 31, 1959.....			<u>187,537.663</u>	<u>\$ 6,339,635.59</u>

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1958.....		\$ 154,605.47
Bullion purchased.....		483,191.07
Treatment charges—Sweep.....		7,449.28
		<u>\$ 645,245.82</u>
Less: Bullion transferred to silver coinage account.....	\$ 473,752.48	
Bullion sold.....	25,128.78	
Net loss on operations.....	<u>14,652.24</u>	
		<u>513,533.50</u>
Balance, December 31, 1959.....		<u>\$ 131,712.32</u>

## SILVER COINAGE ACCOUNT

Balance, December 31, 1958.....	\$ 3,668,258.19
Bullion and alloy purchased or transferred.....	4,892,213.25
Worn coin purchased (withdrawn for recoinage).....	50,902.45
Net gain on coinage credited to Consolidated Revenue Fund..	<u>3,912,205.05</u>
	<u>\$12,523,578.94</u>
Less: Coin sold.....	8,273,563.50
Balance, December 31, 1959.....	<u>\$ 4,250,015.44</u>

## NICKEL COINAGE ACCOUNT

Balance, December 31, 1958.....	\$ 216,633.98
Metal purchased.....	97,506.93
Mutilated coin purchased.....	1,149.45
Net gain on coinage credited to Consolidated Revenue Fund..	<u>344,402.13</u>
	<u>\$ 659,692.49</u>
Less: Coin sold.....	\$ 576,680.40
Defaced mutilated coin and brockages sold.....	<u>5,845.28</u>
	<u>582,525.68</u>
Balance, December 31, 1959.....	<u>\$ 77,166.81</u>

## APPENDIX D—Concluded

## BRONZE COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1958..		\$ 121,307.65
Metal purchased.....		242,782.20
Worn coin purchased (withdrawn for recoinage).....		1,444.60
Toll charges on copper residues.....		2,304.16
Net gain on coinage credited to Consolidated Revenue Fund..		648,596.43
		<u>\$ 1,016,435.04</u>
Less: Coin sold.....	\$ 829,116.42	
Metal in medals sold.....	29.79	
	<u>                    </u>	829,146.21
Balance, December 31, 1959.....		<u><u>\$ 187,288.83</u></u>

## STEEL COINAGE ACCOUNT

Balance, December 31, 1958.....	\$ 3,454.97
Mutilated coin purchased.....	853.25
	<u>                    </u>
Balance, December 31, 1959.....	<u><u>\$ 4,308.22</u></u>

## APPENDIX E

SOR/59-40

## CURRENCY, MINT AND EXCHANGE FUND ACT

## Gold Bullion Regulations, 1959

AT THE GOVERNMENT HOUSE AT OTTAWA

P.C. 1959-100

THURSDAY, the 29th day of January, 1959.

PRESENT:

HIS EXCELLENCY THE GOVERNOR GENERAL IN COUNCIL

His Excellency the Governor General in Council, on the recommendation of the Minister of Finance, pursuant to the Currency, Mint and Exchange Fund Act, is pleased hereby to revoke the Gold Bullion Regulations made by Order in Council P.C. 1954-1584 of 19th October, 1954<sup>(1)</sup>, and the Mint Custom Refining and Storing Regulations made by Order in Council P.C. 1956-450 of 22nd March, 1956<sup>(2)</sup>, and to make the annexed Regulations Respecting the Handling of Gold Bullion at the Royal Canadian Mint in substitution therefor.

<sup>(1)</sup> SOR/54-181, CANADA GAZETTE PART II, Vol. 88, No. 21, Nov. 10, 1954, p. 1430 and Statutory Orders and Regulations Consolidation 1955, Vol. I, p. 683

<sup>(2)</sup> SOR/56-117, CANADA GAZETTE PART II, Vol. 90, No. 7, April 11, 1956

# REGULATIONS RESPECTING THE HANDLING OF GOLD BULLION AT THE ROYAL CANADIAN MINT

## *Short Title*

1. These Regulations may be cited as the *Gold Bullion Regulations, 1959*.

## *Interpretation*

2. In these Regulations,

- (a) "deposit" means a parcel of bullion or other material containing gold;
- (b) "Master" means the Master of the Mint;
- (c) "Minister" means the Minister of Finance; and
- (d) "Mint" means the Royal Canadian Mint.

## *Deposits*

3. (1) The Master may accept for assaying, refining, storing or any other purpose, a deposit that is delivered free of all charges to the Mint if the deposit contains

- (a) newly mined Canadian gold,
- (b) old jewellery or dental scrap that has not been melted or otherwise treated to prevent its origin being readily recognized,
- (c) scrap resulting from processes carried out by manufacturers and refiners in the ordinary course of their business, or
- (d) gold coin that is not legal tender in Canada.

- (2) The Master shall not accept

- (a) a deposit of a kind not described in subsection (1) unless he is authorized to do so by the Minister,
- (b) an ingot exceeding one thousand and two hundred ounces troy, gross weight, or
- (c) a deposit that appears to him to be unsuitable for treatment by the refining processes in use at the Mint.

- (3) The Master is not obliged to accept any deposit and before accepting a deposit he may require the depositor to furnish evidence satisfactory to him as to the origin of the deposit.

4. (1) Where a deposit is delivered to the Mint for the purpose of selling the gold content thereof to Her Majesty, the Minister may, on behalf of Her Majesty, buy the gold content of that deposit.

- (2) It is a condition under which a deposit is accepted at the Mint that the silver content thereof belongs to Her Majesty, subject to payment by the Minister in accordance with these Regulations for that part of the silver content of the deposit that is in excess of one per cent of the weight of the deposit after melting.

5. (1) Each parcel of bullion for which a separate assay is required shall be regarded as a separate deposit and all deposits accepted by the Master shall be valued in the order in which they are received.

- (2) As soon as possible after a deposit has been accepted by the Master, the content of the deposit shall be determined and valued on the report of the Assay Division of the Mint.

- (3) Gold shall be reported on the Assay Division Report to the one-four-thousandth part (one-quarter millieme), except that when the gold millesimal fineness of the bullion exceeds nine hundred and ninety, the gold shall be reported to the one-ten-thousandth part (one-tenth millieme), and silver shall be reported to the one-thousandth part (1 millieme), but only that part of the silver content of the deposit that is in excess of one per cent of the weight of the deposit after melting shall be reported.

(4) Where it is determined that a deposit contains less than two hundred parts of gold in one thousand by assay, or that a deposit is unsuitable for treatment by the refining process in use at the Mint, the Master shall, upon payment by the depositor of the Mint charges for melting and assaying, deliver the deposit at the Mint counter to the depositor.

(5) On the completion of the valuation of a deposit the Master shall, unless the deposit is to be returned to the depositor in accordance with subsection (4), furnish the depositor with a memorandum in duplicate of the outturn of his deposit.

(6) The memorandum mentioned in subsection (5) shall state

- (a) the weight of the deposit before and after melting,
- (b) the assay report,
- (c) the fine gold and the fine silver content of the deposit,
- (d) the gross value of the fine content at the price applicable to the deposit calculated in accordance with sections 6 and 7,
- (e) the Mint charges applicable to the deposit,
- (f) where the deposit was delivered to the Mint for the purpose of selling the gold content thereof to Her Majesty, the net value of the fine gold and fine silver contents of the deposit, being the gross value minus the Mint charges, and
- (g) where the deposit was delivered to the Mint for a purpose other than that of selling the gold content thereof to Her Majesty, the net value of the fine silver content of the deposit, being the gross value thereof minus the Mint charges.

(7) Where a deposit was delivered to the Mint for the purpose of selling the gold content thereof to Her Majesty, the Minister shall, the same time as the memorandum mentioned in subsection (5) is furnished to the depositor, pay to the depositor as the full purchase price of the fine gold and fine silver contents of the deposit an amount equal to the net value of the fine contents of the deposit as stated in the memorandum.

(8) Where a deposit was delivered to the Mint for a purpose other than that of selling the gold content thereof to Her Majesty, the Minister shall, at the same time as memorandum mentioned in subsection (5) is furnished to the depositor, pay to the depositor, as the full purchase price of the silver content of the deposit, an amount equal to the net value of the fine silver content of the deposit as stated in the memorandum.

6. The price payable by the Minister for the gold content of a deposit is the market price of gold in the country to which the Government of Canada is, at the time the deposit is received, exporting gold, converted into Canadian funds at the average of the rates of exchange for the currency of that country, reported to the Minister by the Bank of Canada on the days Monday to Friday, inclusive, of the week in which the deposit is delivered to the Master such price hereinafter referred to as the "Mint buying price".

7. The price payable by the Minister for the silver content of a deposit is the average of the official New York daily quotation for fine silver for the days Monday to Friday, inclusive, of the week in which the deposit is delivered to the Master, converted into Canadian funds at the average of the rates of exchange for United States funds reported to the Minister by the Bank of Canada on the days Monday to Friday, inclusive, of that week.



*Mint Charges*

8. (1) The Mint charge payable by a depositor to the Master in respect of a deposit shall be calculated as follows on the gross weight of the deposit after melting:

- (a) for melting and assaying, one dollar for the first four hundred ounces or part thereof and twenty-five cents for each additional one hundred ounces or part thereof; and
- (b) for refining,
  - (i) when the deposit contains not more than five per cent base metal, three cents per ounce,
  - (ii) when the deposit contains over five per cent base metal but not over ten per cent base metal, three and one-half cents per ounce,
  - (iii) when the deposit contains over ten per cent base metal but not over fifteen per cent base metal, four and one-quarter cents per ounce,
  - (iv) when the deposit contains over fifteen per cent base metal but not over twenty per cent base metal, five cents per ounce, and
  - (v) when the deposit contains over twenty per cent base metal, or requires toughening or other special treatment in order to obtain concordant assays, such charge, not exceeding ten cents per ounce, as determined by the Master after taking into account the cost of treatment.

(2) Notwithstanding paragraph (b) of subsection (1), the minimum charge for refining is two dollars for each deposit, and the charge for refining applies in respect of all deposits containing, by assay, less than nine hundred and ninety-five parts fine gold in one thousand.

(3) A depositor shall pay to the Master for every deposit that is delivered to the Mint for the purpose of selling the gold content thereof to Her Majesty, a handling charge to cover the cost of marketing outside Canada as follows:

- (a) for newly mined Canadian gold, twenty cents per fine ounce,
- (b) for bars of fine gold that the Master is authorized by the Minister to accept for that purpose, twenty cents per fine ounce, and
- (c) for all other gold, one dollar per fine ounce.

(4) In respect of every deposit that is delivered to the Mint for the purpose of storing the gold content thereof, the depositor shall pay the following charges:

- (a) one cent for every thirty days or fraction thereof (including the day on which the deposit is received at the Mint but excluding the day on which it is shipped from the Mint) for each fine ounce of gold so stored, payable at the time of application for release of the gold or when billed, whichever is the earlier,
- (b) ten cents for each fine ounce packed at the Mint for shipment, payable at the time of application for the release of the gold, and
- (c) a handling charge of twenty cents for each fine ounce of gold released from storage for sale to Her Majesty, payable at the time of sale.

(5) In respect of every deposit that is delivered to the Mint for a purpose not described in subsection (3) or (4), and packing of fine gold is involved, the depositor shall pay at the time of shipment one dollar for the first ten ounces of fine gold or part thereof, and ten cents for each additional ounce or part thereof that is packed at the Mint for shipment.

(6) It is a condition under which a deposit is accepted at the Mint that the Master may retain a portion of the fine gold content thereof in payment of the Mint charges in respect of that deposit.

### *Release of Gold*

9. The fine gold content of a deposit held in storage at the Mint shall be released only upon application therefor in the form prescribed by the Minister.

10. Every deposit is accepted at the Mint subject to the condition that the fine gold content thereof shall be released in a form that is at least .995 fine.

### *Sale of Gold*

11. (1) The Master may, with the approval of the Minister, sell fine gold from the Mint that belongs to Her Majesty.

(2) The price at which each fine ounce of gold shall be sold is the Mint buying price per fine ounce for the week immediately preceding the week in which the gold is sold plus ten cents.

### *General*

12. (1) Deposits may be delivered to the Mint on Monday to Friday, inclusive, between the hours of 9:30 a.m. and 4:30 p.m. unless such a day is a holiday mentioned in or authorized pursuant to the Civil Service Act.

(2) Where a deposit is delivered to the Mint, it shall be withheld from treatment until an invoice setting out the description and weight of the contents thereof has been received by the Master, and where there is a discrepancy between the actual and invoice weights of a deposit, the deposit shall not be further dealt with until the Master has notified the depositor of the discrepancy and has received further instructions from the depositor.

(3) All gold shipped from the Mint shall be delivered at the Mint counter to the purchaser of the gold, to the depositor or his authorized agent.

13. It is a condition under which newly mined gold is accepted at the Mint for storage that the depositor prepare and mail to the Minister within thirty days of the last day of each month a report for that month in the form prescribed by the Minister showing, *inter alia*,

- (a) fine gold held by him or on his behalf at the beginning of the month
  - (i) at the Mint, and
  - (ii) at places other than the Mint and the location of those places;
- (b) refined gold produced during the month;
- (c) sales made during the month indicating,
  - (i) the name and address of the purchaser,
  - (ii) the amount in ounces sold to each purchaser,
  - (iii) the value, in Canadian funds, of the gold sold to each purchaser, and
  - (iv) the price paid, in Canadian funds, for each fine ounce of gold so sold; and
- (d) fine gold held by him or on his behalf at the end of the month
  - (i) at the Mint, and
  - (ii) at places other than the Mint and the location of those places.





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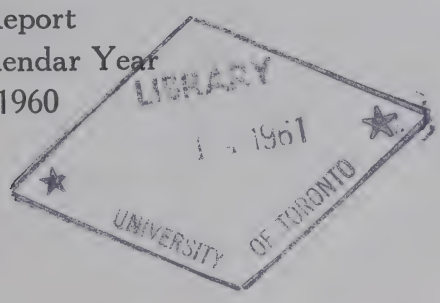


CANADA

DEPARTMENT OF FINANCE

Canada. ROYAL CANADIAN MINT  
" Report of the Master of the Royal Canadian Mint  
1960.

Report  
For Calendar Year  
1960



ROGER DUHAMEL, F.R.S.C.  
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CANADA

DEPARTMENT OF FINANCE

# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT

For Calendar Year  
1960

Published by Authority of Hon. Donald M. Fleming, M.P.  
Minister of Finance

Price: 25 cents   Cat. No. F71-1960  
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Ottawa, Canada



# ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
Ottawa.

SIR:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1960.

## COINAGE

The coinage struck in 1960 amounted to 186,121,753 pieces. This unprecedented number is 53,219,956 pieces in excess of 1959 and is the highest production in the history of the Mint. The marked increases occurred in the twenty five cent, ten cent and five cent denominations.

Comparative statements of the production and issue of coin by denominations for the years 1959 and 1960 are shown hereunder:

### COINAGE PRODUCTION IN 1959 AND 1960

CANADA	1959	1960
Denomination	Pieces	Pieces
SILVER, 800 fine—		
1 dollar.....	1,443,502	1,420,486
50 cents.....	3,095,535	3,488,897
25 cents.....	13,503,461	22,835,327
10 cents.....	19,691,433	45,446,835
NICKEL—		
5 cents.....	11,552,523	37,157,433
BRONZE—		
1 cent.....	83,615,343	75,772,775
	132,901,797	186,121,753

### COINAGE ISSUE IN 1959 AND 1960

CANADA	1959	1960
Denomination	\$	\$
SILVER COIN—		
1 dollar.....	1,436,160.00	1,427,894.00
50 cents.....	1,547,330.50	1,744,918.50
25 cents.....	3,311,905.00	5,757,025.00
10 cents.....	1,978,168.00	4,502,414.00
Total Silver.....	8,273,563.50	13,432,251.50
NICKEL COIN—		
5 cents.....	576,680.40	1,735,707.00
BRONZE COIN—		
1 cent.....	829,116.42	748,101.00
Total.....	9,679,360.32	15,916,059.50
Representing.....	Number of Pieces	
Total.....	132,005,371	182,494,211

## Worn and mutilated coin withdrawn from circulation

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	65,352.70	13,366,898.80
Nickel Coin—5 cents (mutilated only).....	1,456.75	1,734,250.25
Tombac Coin—5 cents.....	147.35	.....
Steel Coin—5 cents.....	1,333.00	.....
Bronze Coin.....	2,370.43	745,730.57

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Bronze
	Dollar \$	50 Cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Calgary.....	67,000.00	221,000.00	576,000.00	401,000.00	78,000.00	76,800.00
Halifax.....	47,000.00	116,000.00	270,000.00	166,000.00	62,100.00	49,800.00
Montreal.....	161,500.00	45,000.00	1,622,000.00	1,108,000.00	555,000.00	205,380.00
Ottawa.....	57,666.00	67,863.50	560,000.00	402,000.00	107,400.00	28,000.00
Ottawa for Charlottetown.....	.....	.....	.....	.....	.....	.....
Ottawa for St. John's, Nfld.....	2,000.00	77,000.00	28,000.00	55,000.00	27,900.00	15,840.00
Regina.....	40,000.00	45,000.00	296,000.00	201,000.00	66,300.00	59,100.00
Saint John, N.B.....	30,000.00	69,000.00	282,000.00	128,000.00	53,700.00	8,100.00
Toronto.....	758,000.00	631,000.00	1,399,000.00	1,125,000.00	548,700.00	168,240.00
Vancouver.....	80,000.00	355,000.00	338,000.00	580,000.00	121,500.00	77,400.00
Winnipeg.....	102,000.00	86,000.00	370,000.00	330,000.00	111,900.00	58,800.00
Sundry Persons.....	82,728.00	32,055.00	16,025.00	6,414.00	3,207.00	641.00
Total.....	1,427,894.00	1,744,918.50	5,757,025.00	4,502,414.00	1,735,707.00	748,101.00

The following table shows the distribution of uncirculated coin issued to Sundry Persons by the Numismatic Section for the year 1960:

	Silver				Nickel	Bronze
	Dollar \$	50 Cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Issued in Mint sets.....	64,097.00	32,048.50	16,024.25	6,409.70	3,204.85	640.97
Issued separately.....	18,631.00	6.50	0.75	4.30	2.15	0.03
Totals.....	82,728.00	32,055.00	16,025.00	6,414.00	3,207.00	641.00

Details of the weights of silver bullion, copper and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized below:

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
Denomination	Ounces	Ounces	Ounces	Ounces
SILVER, 800 fine—				
1 dollar			1,175,578.00	1,066,760.59
50 cents			1,544,979.16	1,308,865.03
25 cents	17,816,596.90	17,323,264.86	4,378,344.12	4,282,205.36
10 cents			3,532,880.94	3,412,032.90
Total Silver.....	17,816,596.90	17,323,264.86	10,631,782.22	10,069,863.88
	Pounds	Pounds	Pounds	Pounds
NICKEL—				
5 cents.....		(a) 209,594.75	(b) 140,317.62	(c) 372,772.70
BRONZE—				
1 cent.....	801,476.00	835,924.70	547,064.01	541,376.06
	Short Tons 1,011.6	Short Tons 1,116.7	Short Tons 708.2	Short Tons 802.3

(a) Nickel Strip purchased

(b) Blanks cut from Nickel Strip

(c) Includes Nickel Blanks purchased

During the year 42,500 ounces of worn and mutilated Canadian silver coins, which had been withdrawn from circulation, were melted and assayed for conversion to 800 standard coinage bars; 1,716 pounds of bronze worn coin and 30 pounds of tombac five-cent coins were converted for use in one-cent coinage. 8,127 ounces of fine silver was cast into three bars for the manufacture of trays for use in the Refinery.

Seventy eight ounces of gold proof plate and ninety ounces of silver proof plate were rolled; 2,228 ounces of fine silver discs and 483 ounces of copper discs were rolled and cut for the use of the Assay Division.

4,875 ounces of fine gold cathodes and 198 ounces of fine silver were rolled for use in the electrolysis plant of the Refinery Division.

The comparative tables below show the number of obverse and reverse dies used in the production of coins of each denomination and the average production per pair of dies in 1959 and 1960:

Denomination	1959				1960			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	1,443,502	39	55	30,713	1,420,486	72	49	23,479
50 cents.....	3,095,535	69	61	47,624	3,488,897	55	17	96,914
25 cents.....	13,503,461	183	211	68,545	22,835,327	283	299	78,472
10 cents.....	19,691,433	266	153	93,993	45,446,835	589	335	98,370
5 cents.....	11,552,523	115	77	120,339	37,157,433	528	360	83,688
1 cent.....	83,615,343	341	185	317,929	75,772,775	269	97	414,059
	132,901,797	1,013	742		186,121,753	1,796	1,157	
	Average per pair of dies.....			151,455	Average per pair of dies.....			126,056

The mean finenesses of the Silver Coinage struck in 1960 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	799.19
50 cents.....	800.00	799.20
25 cents.....	800.00	799.31
10 cents.....	800.00	799.36

Samples from 400,000 pounds of nickel blanks and coils were assayed and found to satisfy Mint specifications.

Six suspected counterfeit coins were received from the Royal Canadian Mounted Police and sundry individuals. Of these coins, three 25¢ pieces were found to be counterfeit.

### GOLD BULLION

Six thousand two hundred and thirty-four deposits of gold bullion were received at the Mint during the year from Canadian Mining Companies and Sundry persons. The gross weight of the deposits amounted to 4,970,726 ounces containing by assay 4,024,626 ounces fine gold and 572,993 ounces fine silver. This includes bullion received under the heading of Gold Storage. The receipts show an increase as compared with the year 1959 of 112 in the number of deposits, gross weight 165,232 ounces, gold content 115,986 ounces and fine silver 21,581 ounces and was composed of the following:

#### *Fine Gold—*

350 deposits weighing 335,272.507 ounces with a mean fineness of 996.938

#### *Crude Bullion—*

3,613 deposits weighing 2,899,748.836 ounces with an average fineness of 775.015 gold, 123.692 silver and containing 10.1293% base metal

#### *Scrap (Jewellery and Dental)—*

251 deposits, 14,998.120 ounces at an average fineness of 486.603 gold and 98.594 silver

#### *Gold for Storage—*

2,020 deposits weighing 1,720,706.616 ounces with an average fineness of 834.385

The net value paid to depositors was \$87,424,558.82. In addition the amount of fine gold issued to depositors was 1,468,132.140 ounces.

Details of origin of the bullion deposited for sale to Her Majesty and for storing during the year 1960 are shown in the following table:

From Canadian Mines and Refineries	Sale to Her Majesty		Gold Storage		Total		Total Fine Silver Ounces
	Gross Weight	Fine Gold	Gross Weight	Fine Gold	Gross Weight	Fine Gold	
	Ounces	Ounces	Ounces	Ounces	Ounces	Ounces	
Ontario.....	2,001,418,403	1,624,810,742	1,182,411,976	1,045,738,644	3,183,830,379	2,670,549,386	311,900.50
Quebec.....	812,854,920	636,321,594	71,220,250	31,453,575	884,075,170	667,775,169	138,098.87
British Columbia.....	158,630,440	127,061,593	34,750,530	30,273,845	193,380,970	157,335,438	25,468.77
Manitoba.....	40,662,620	29,714,867			40,662,620	29,714,867	5,212.04
Yukon Territory.....	97,607,630	78,115,288			97,607,630	78,115,288	16,417.06
North West Territories.....	123,624,430	85,377,413	432,323,860	328,266,083	555,948,290	413,643,496	74,397.86
Alberta.....	219,770	191,207			219,770	191,207	19.40
Nova Scotia.....	3,130	2,987			3,130	2,987	0.05
Total from Canadian Mines and Refineries.....	3,235,021,343	2,581,595,691	1,720,706,616	1,435,732,147	4,955,727,959	4,017,327,838	571,514.55
From Jewellery and Scrap.....	14,998,120	7,298,126			14,998,120	7,298,126	1,478.72
Grand Total.....	3,250,019,463	2,588,893,817	1,720,706,616	1,435,732,147	4,970,726,079	4,024,625,964	572,993.27



The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, metals, etc.):

	Ounces Fine
6,340 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	2,536,500.613
Depositors—granulated and bars.....	1,468,132.140
Sales of fine gold.....	1,510.000
Trial Plate for assay purposes.....	9.331
Medals, etc.....	10.091
Sweep.....	8,608.930
	<u>4,014,771.105</u>

This total shows an increase of 178,091.263 ounces fine issued as compared with the year 1959.

The following tables give details of rough bullion received and fine bullion produced during the year:

Receipts	Number of Deposits	Fine Gold	Fine Silver
		Ounces	Ounces
Mines—Sale to Her Majesty.....	3,963	2,581,595.691	571,514.55
Gold Storage.....	2,020	1,435,732.147	
Jewellery and Scrap—Sale to Her Majesty.....	251	7,298.126	1,478.72

Produced	Number	Gross Weight	Fine Weight	Average Assay
		Ounces	Ounces	
Fine Gold Bars.....	6,463	2,591,653.700	2,585,917.891	997.8
Granulated Gold.....		7,263.140	7,260.585	999.6
Special Gold Bar.....	1	8.208	8.206	
Fine Silver Bars.....	477	533,312.25	533,209.35	999.8
Granulated Silver.....		7,885.36	7,883.07	999.7
Gold Trial Plate.....			9.331	
Gold Medals.....			79.727	
Silver Medals.....			55.94	
Storage—Gold Bars.....	3,511	1,407,558.226	1,404,641.607	997.9
Granulated Gold.....		20,168.640	20,164.356	999.8

Special Processes	Number	Gross Weight
		Ounces
Remelts.....	191	138,931.270
Toughenings.....	3	499.610
		Pounds Avoirdupois
Chloride Reduction.....		85,474.0
Sweeps.....		116,189.5

Details of the assays, etc., made during the year are shown hereunder:

*Gold—*

Refinages.....	5,486	
Rough Gold.....	35,131	
Proofs.....	3,336	
Parting Proofs.....	892	
Parting Buttons.....	12,581	
		57,426

*Silver—*

Standard Bars.....	12,970	
Pyx.....	5,369	
Proofs.....	713	
Fine Silver.....	178	
Miscellaneous.....	18	
		21,772

*Miscellaneous—*

For the Marking Act Inspector.....	16	
Mint Residues (sweeps, etc.).....	430	
		446
		79,644

NOTES—Ten medals and four sets of replicas were gold plated.  
Two working trial plates of gold were made and fixed.  
One silver trial plate was made and fixed.

## GOLD STORAGE

During the year sixteen mines deposited gold bullion at the Mint under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for storage.

The fine gold content of the bullion deposited under this heading during 1960 amounted to 1,435,732.147 ounces. Fine bullion amounting to 1,463,340.725 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## MEDALS

Two thousand nine hundred and eighty-two ounces of sterling silver were cast into bars for medal work.

At the request of the Royal Canadian Geographical Society a new seal for use on their official documents was made. The seal is approximately two inches in diameter and was cut from the same model that was prepared in 1959 for use in connection with the Massey Medal.

A new bar die, incorporating the St. Edward's Crown and the new Canadian Coat of Arms, was made for the Canadian Forces Decoration (*see plate I*).

At the request of the officials of the Dominion Drama Festival and with the kind permission of the Right Honourable Vincent Massey, C.H., a medal, to be known as the Massey Award for the best Canadian playwright in the final festival in the Dominion Drama Festivals, was designed and struck. The obverse depicts Mr. Massey's effigy surrounded by the words "The Massey Award—Le Prix Massey". The reverse is left plain for engraving, except for the edge which reads, on the top, "Dominion Drama Festival" and on the bottom, "Festival Dramatique National" (*see plate II*).

The following medals were struck and issued during 1960:

For Department of Defence Production—	
Canadian Forces Decoration Medals, Tombac.....	6,700
Canadian Forces Decoration Bars, Tombac.....	2,100
For Department of Veterans Affairs—	
Atlantic Stars, Tombac.....	1,500
1939-45 Stars, Tombac.....	4,000
For Royal Canadian Mounted Police—	
Long Service Medals, Silver, 800 fine.....	182
For the Professional Institute of the Public Service of Canada—	
Medals, Gold, 14 kt.....	2
Replicas of Medal, Thin Copper, Gold plated.....	2
For The Royal Society of Canada—	
Flavelle Medal, Gold, 14 kt.....	1
Lorne Pierce Medal, Gold, 14 kt.....	1
Tyrrell Medal, Gold, fine.....	1
For The Canadian Institute of Chartered Accountants—	
Chartered Accountancy Award, Gold, 18 kt.....	1
For The Engineering Institute of Canada—	
Leonard Medals, Gold, 10 kt.....	2
Plummer Medal, Gold, 10 kt.....	1
Julian C. Smith Medals, Tombac.....	2
For The Royal Canadian Geographical Society—	
The Massey Medal, Silver, 800 fine, with gold finish.....	1
For Art Directors Club—	
Art Directors Club Medals, Silver, 925 fine.....	4
For The Dominion Drama Festival—	
The Massey Award, Coinage bronze, gold plated.....	1
For Royal Canadian Mint—	
Royal Canadian Mint Long Service Medals, Silver, 925 fine.....	7

All the above medals except those for the Department of Defence Production, Department of Veterans Affairs and the Art Directors Club were engraved with the name of the recipients.

## PLANT AND EQUIPMENT

The year 1960 was an extremely difficult one for the mechanical and electrical sections of the staff, and much credit must be given them for keeping the plant running at 175% of capacity for eight months of the year without major break-downs.

One new sixty ton coining press was purchased from Messrs. Taylor and Challen Limited of Birmingham, England and was put into operation. This machine replaces the last remaining coining press which was part of the original Mint equipment.

Nine automatic press feeders were made in the shop during the year and installed on the presses.

A coin packaging machine was designed and built, and it is expected that it will be put into operation early in the new year. It will be used to seal sets of uncirculated coin in plastic for distribution by the Numismatic Section.

In addition to the noted major projects, innumerable smaller ones are always being undertaken. Considerable work, both in design and manufacture, was done on the improvement of material handling methods throughout the whole plant.





(ENLARGED)

CANADIAN FORCES DECORATION AND BAR





(ACTUAL SIZE)



## GENERAL

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by the Auditor General's Department in February.

The Assay Commissioners, Mr. G. H. Faye of the Department of Mines and Technical Surveys, Dr. T. F. W. Embleton and Dr. S. Berman of the National Research Council appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the currency of Canada struck at the Royal Canadian Mint during 1959 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge A. G. McDougall, on the 3rd day of May, 1960.

The findings of the Commissioners, at the Trial of the Pyx, show that the weight and fineness of the coins tested were within the remedy as prescribed by law.

Thirty-seven thousand and eighty-three visitors were admitted to view the coining operations of the Mint during the year.

The number on the staff as at 31st December, 1960, was 196. Of this number 34 were employed in the Administrative and Mint Office Division, 108 in the Coining and Medal Division, 17 in the Assay Division and 37 in the Refinery.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, circulation of coin in Canada and statements of coinage and bullion operations for the calendar year 1960, are appended herewith.

Respectfully submitted,

N. A. PARKER,

*Master, Royal Canadian Mint.*

## APPENDIX A

SUMMARY OF TRANSACTIONS IN GOLD BULLION OF THE OTTAWA BRANCH OF THE ROYAL MINT FROM ITS OPENING  
ON JANUARY 2, 1908, TO ITS DISESTABLISHMENT ON NOVEMBER 30, 1931, AND OF THE ROYAL CANADIAN MINT FROM  
DECEMBER 1, 1931, TO DECEMBER 31, 1960

Y E A R	GOLD RECEIVED		GOLD ISSUED	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1950.....	121,761,384.404	98,210,885.264	383,319.096	97,605,789.203
1951.....	5,246,758.942	4,169,479.513	.....	4,167,485.874
1952.....	4,848,048.381	3,953,158.154	.....	4,031,068.071
1953.....	4,642,410.478	3,684,073.637	.....	3,626,496.738
1954.....	4,768,451.365	3,829,430.609	.....	3,998,835.566
1955.....	4,878,918.379	3,947,636.509	.....	3,952,764.485
1956.....	4,693,484.529	3,801,788.815	.....	3,774,599.457
1957.....	4,798,296.343	3,896,083.563	.....	3,776,710.677
1958.....	4,868,066.405	3,958,458.747	.....	4,088,706.348
1959.....	4,805,493.520	3,908,640.185	.....	3,836,679.842
1960.....	4,970,726.079	4,024,625.964	.....	4,014,771.105
	170,282,038.825	137,384,260.960	383,319.096	136,873,907.366

# APPENDIX B (1) COIN ISSUED IN CANADA

SILVER									
		Dollar \$	50¢ \$	25¢ \$	20¢ \$	10¢ \$	5¢ \$	Total Silver \$	
1858 to 1907	{ New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada, 1858-1907. }				60,000	25,000	10,000	95,000	
			1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996	
Totals.....			1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996	
GOLD									
		Sover- eigns £	\$10 \$	\$5 \$					
1908 to 1960	{ Struck in England }	627.834	3,480,380	1,388,070	11,988,955.00	31,701,752.50	20,445,456.00	3,084,802	70,674,626.50
					1,238,499.00	2,105,240.00	1,458,115.10		5,213,677.10
					1,140,158.50	2,225,737.00	1,101,312.90		4,869,552.40
					908,020.50	2,462,165.50	1,705,771.70		6,138,685.70
					330,450.50	752,021.25	520,002.30		1,864,968.05
					376,755.50	2,388,126.25	1,229,464.90		4,269,156.65
					689,749.50	2,817,338.25	1,673,284.40		5,389,464.15
					1,085,844.50	3,091,000.25	1,563,195.20		6,236,428.95
					1,478,600.00	2,435,758.25	1,090,830.60		8,044,752.85
					1,547,330.50	3,311,905.00	1,978,168.00		8,273,563.50
Totals.....			1,744,918.50	5,757,025.00		4,502,414.00		13,432,251.50	
Totals.....		627.834	3,480,380	1,388,070	23,778,300.00	64,143,047.25	40,333,015.10	6,020,802	146,962,123.35



# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel 5¢ \$	Tombac 5¢ \$	Steel 5¢ \$	Bronze	
				1¢ \$	½¢ \$
1858 to 1907 { New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada, 1858 to 1907. } Struck in England	.....	.....	.....	20,000	1,114
	.....	.....	.....	26,000	4,000
	.....	.....	.....	10,000	.....
	.....	.....	.....	803,315	.....
	.....	.....	.....	.....	.....
Totals.....	.....	.....	.....	859,315	5,114
1908	7,433,786.00	1,407,824.50	1,521,300.00	9,366,910.10	.....
to	423,003.20	.....	182,829.35	783,329.12	.....
1950.....	597.80	.....	576,965.00	683,820.86	.....
1951.....	233.75	.....	831,914.75	655,129.75	.....
1952.....	27.05	.....	350,229.50	263,897.03	.....
1953.....	267,801.00	.....	.....	566,863.07	.....
1954.....	469,992.70	.....	.....	786,855.35	.....
1955.....	366,493.10	.....	.....	1,004,220.54	.....
1956.....	379,616.00	.....	.....	578,274.13	.....
1957.....	576,680.40	.....	.....	829,116.42	.....
1958.....	1,735,707.00	.....	.....	748,101.00	.....
1959.....	.....	.....	.....	.....	.....
1960.....	.....	.....	.....	.....	.....
Totals.....	11,653,938.00	1,407,824.50	3,463,238.60	17,125,832.37	5,114

## CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905	10,487,774				791,429	11,279,203	1.85
1910	14,327,662				967,353	15,295,015	2.03
1915	18,588,573				1,212,588	19,801,161	2.51
1920	28,384,850				1,895,783	30,280,633	3.51
1925	27,713,019 <sup>(1)</sup>				2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525			2,297,405	32,354,260	3.17
1935	28,407,168	2,449,278			2,818,341	33,674,787	3.11
1940	36,944,040	4,015,232			4,092,234	45,051,506	3.96
1941	40,339,221	4,467,463			4,648,567	49,455,251	4.30
1942	44,011,038	4,827,596	169,424		5,422,131	54,430,189	4.67
1943	51,009,046	4,826,033	1,407,424		6,300,627	63,543,130	5.39
1944	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38

<sup>(1)</sup> Decrease due to withdrawal of worn and mutilated silver coins from circulation.

## APPENDIX D

ROYAL CANADIAN MINT  
COINAGE AND BULLION OPERATIONS, 1960

## GOLD BULLION

	Fine Ounces	Value	Fine Ounces	Value
Gold on hand, December 31, 1959.....			187,537.663	\$ 6,339,635.59
Gold purchased at various rates.....			2,588,893.817	87,773,092.30
Gain on operations.....			894.760	29,758.60
			<u>2,777,326.240</u>	<u>\$94,142,486.49</u>
Less: Gold sold at various rates.....	2,551,430.380	\$86,503,632.35		
Adjustment in valuation of gold.....		83,236.12	2,551,430.380	86,586,868.47
Balance held at December 31, 1960.....			<u>225,895.860</u>	<u>\$ 7,555,618.02</u>

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1959.....	\$	131,712.32
Bullion purchased.....		507,219.60
Treatment charges—Sweep.....		5,407.53
Net gain on operations.....		<u>1,062.67</u>
		\$ 645,402.12
Less: Bullion transferred to silver coinage account.....	\$ 435,970.91	
Bullion sold.....	<u>42,122.25</u>	
		478,093.16
Balance, December 31, 1960.....		<u>\$ 167,308.96</u>

## SILVER COINAGE ACCOUNT

Balance, December 31, 1959.....	\$ 4,250,015.44
Bullion and Alloy purchased or transferred.....	6,856,409.69
Worn coin purchased (withdrawn for recoinage).....	66,804.35
Net gain on coinage credited to Consolidated Revenue Fund.....	<u>6,217,918.00</u>
	\$17,391,147.48
Less: Coin sold.....	<u>13,432,251.50</u>
Balance, December 31, 1960.....	<u>\$ 3,958,895.98</u>

## NICKEL COINAGE ACCOUNT

Balance, December 31, 1959.....	\$ 77,166.81
Metal purchased.....	743,433.43
Mutilated coin purchased.....	1,456.75
Net gain on coinage credited to Consolidated Revenue Fund.....	<u>1,084,207.97</u>
	\$ 1,906,264.96
Less: Coin sold.....	\$ 1,735,707.00
Nickel scrap sold.....	<u>20,330.14</u>
	1,756,037.14
Balance, December 31, 1960.....	<u>\$ 150,227.82</u>

## APPENDIX D—Concluded

## BRONZE COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1959.....		\$ 187,288.83
Metal purchased.....		132,902.33
Worn coin purchased (withdrawn for recoinage).....		2,518.21
Toll charges on copper residues.....		980.32
Net gain on coinage credited to Consolidated Revenue Fund.....		576,474.47
		<hr/>
		\$ 900,164.16
<i>Less:</i> Coin sold.....	\$ 748,101.00	
Alloy transferred to silver coinage account.....	5,188.50	
Metal in medals sold.....	228.69	
	<hr/>	753,518.19
Balance, December 31, 1960.....		<hr/> <hr/> \$ 146,645.97

## STEEL COINAGE ACCOUNT

Balance, December 31, 1959.....	\$ 4,308.22
Mutilated coin purchased.....	1,333.00
	<hr/>
Balance, December 31, 1960.....	<hr/> <hr/> \$ 5,641.22









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46

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Publications



CANADA

(DEPARTMENT OF FINANCE)

*Canada.* ROYAL CANADIAN MINT

*Report of the Master of the Royal Canadian Mint*

Report  
For Calendar Year  
1961



ROGER DUHAMEL, F.R.S.C.  
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY  
OTTAWA, 1962







CANADA

DEPARTMENT OF FINANCE

# REPORT

of the

MASTER OF THE ROYAL CANADIAN MINT

For Calendar Year

1961

Published by Authority of Hon. Donald M. Fleming, M.P.  
Minister of Finance

Price 25 cents   Cat. No. F71-1961

Available from the Queen's Printer  
Ottawa, Canada

## PREFACE

The Ottawa Mint, established as a branch of the Royal Mint, London, under the (Imperial) Coinage Act, 1870, and opened January 2, 1908, was by 21-22 Geo. V, ch. 48, constituted a branch of the Department of Finance and by the Proclamation of November 14, 1931, it has since December 1, 1931, operated as the Royal Canadian Mint.

The principal functions of the Mint are the execution of domestic and foreign coin; the refining of gold and silver; the acquisition of gold, silver and other metals, payments for which are made on the basis of Mint assays; the control, preparation and movement of gold and coin shipments; the safeguarding of Mint holdings of monetary metals, including coin and precious metals in various processing stages until finished and issued; the fabrication and engraving of dies for coinage, medals, signatures and official seals; the issue of coin sets to numismatists and the administration of various regulations issued under the terms and provisions of the Currency, Mint and Exchange Fund Act, RS 1952, ch. 315.



## ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
Ottawa.

SIR:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1961.

### COINAGE

The heavy demand for new coin continued throughout the year, and the coinage struck amounted to 237,349,330 pieces. This unprecedented number is the largest in the history of the Mint and is 51,227,577 pieces in excess of 1960.

Comparative statements of the production and issue of coin by denominations for the years 1960 and 1961 are shown hereunder:

#### COINAGE PRODUCTION IN 1960 AND 1961

CANADA	1960	1961
Denomination—Metallic Composition	Pieces	Pieces
<b>SILVER</b>		
1 dollar—800 parts silver, 200 parts copper.....	1,420,486	1,262,231
50 cents—800 parts silver, 200 parts copper.....	3,488,897	3,584,417
25 cents—800 parts silver, 200 parts copper.....	22,835,327	18,164,368
10 cents—800 parts silver, 200 parts copper.....	45,446,835	26,850,859
<b>NICKEL</b>		
5 cents—pure nickel.....	37,157,433	47,889,051
<b>BRONZE</b>		
1 cent—98% copper, 2% tin and zinc.....	75,772,775	139,598,404
	186,121,753	237,349,330

The above coinage for 1961 consists of 211 tons of silver, 542 tons of copper, 239 tons of nickel and 10 tons of zinc and tin.

The production of five and one cent pieces showed marked increases of 29 and 84 per cent respectively as compared to that of 1960.

#### COINAGE ISSUE IN 1960 AND 1961

CANADA	1960	1961
Denomination	\$	\$
<b>SILVER COIN—</b>		
1 dollar.....	1,427,894.00	1,252,928.00
50 cents.....	1,744,918.50	1,772,222.00
25 cents.....	5,757,025.00	4,554,593.25
10 cents.....	4,502,414.00	2,719,837.30
Total Silver.....	13,432,251.50	10,299,580.55
<b>NICKEL COIN—</b>		
5 cents.....	1,735,707.00	2,512,368.65
<b>BRONZE COIN—</b>		
1 cent.....	748,101.00	1,417,543.73
Total.....	15,916,059.50	14,229,492.93
Representing:	Number of Pieces	
Total.....	182,494,211	242,215,864



## Worn and mutilated coin withdrawn from circulation

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	108,186.40	10,191,394.15
Nickel Coin—5 cents (mutilated only).....	1,433.05	2,510,935.60
Tombac Coin—5 cents.....	68.75	.....
Steel Coin—5 cents.....	1,168.25	.....
Bronze Coin.....	1,643.46	1,415,900.27

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Bronze
	Dollar \$	50 Cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Calgary.....	99,000.00	126,000.00	463,000.00	213,000.00	227,100.00	67,680.00
Halifax.....	40,000.00	34,000.00	201,000.00	150,000.00	99,600.00	57,300.00
Montreal.....	202,000.00	117,000.00	1,347,000.00	604,000.00	580,200.00	457,560.00
Ottawa.....	92,000.00	57,000.00	291,000.00	250,000.00	120,000.00	45,920.00
Regina.....	49,000.00	54,000.00	210,000.00	120,000.00	72,900.00	54,600.00
Saint John, N.B.....	25,000.00	41,000.00	159,000.00	70,000.00	42,000.00	9,600.00
St. John's, Nfld.....	.....	51,000.00	56,000.00	39,000.00	29,100.00	12,780.00
Toronto.....	449,000.00	847,000.00	1,243,000.00	615,000.00	959,400.00	538,920.00
Vancouver.....	84,000.00	331,000.00	165,000.00	395,000.00	201,000.00	99,600.00
Winnipeg.....	92,000.00	65,000.00	395,000.00	254,000.00	176,100.00	72,600.00
Sundry Persons.....	120,928.00	49,222.00	24,593.25	9,837.30	4,968.65	983.73
Total.....	1,252,928.00	1,772,222.00	4,554,593.25	2,719,837.30	2,512,368.65	1,417,543.73

The following table shows the distribution of uncirculated coin issued to Sundry Persons by the Numismatic Section for the year 1961:

	Silver				Nickel	Bronze
	Dollar \$	50 cents \$	25 Cents \$	10 Cents \$	5 Cents \$	1 Cent \$
Issued in Mint sets.....	98,373.00	49,186.50	24,593.25	9,837.30	4,918.65	983.73
Issued separately.....	22,555.00	35.50	.....	.....	50.00	.....
Totals.....	120,928.00	49,222.00	24,593.25	9,837.30	4,968.65	983.73

The new coin packaging machine designed and built in the Mint in 1960 was put into operation this year. Uncirculated coin sets are now sold in sealed plastic containers instead of the cardboard holders used in the past.

A record number of 98,373 coin sets and 22,555 separate silver dollars were sold. This represents an increase of 34,276 sets or 53% and an increase of 3,924 dollars or 21% over 1960.

Summarized below are details of the weights of silver bullion, bronze and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced:

CANADA	Bars Cast	Bars Rolled	Blanks Cut	Good Coin Produced
Denomination	Ounces	Ounces	Ounces	Ounces
SILVER, 800 fine—				
1 dollar			1,031,114.50	947,957.76
50 cents	11,987,841.30	13,106,005.79	1,643,154.05	1,347,002.58
25 cents			3,458,512.99	3,419,104.30
10 cents			1,843,198.04	2,007,830.05
Total Silver.....	11,987,841.30	13,106,005.79	7,975,979.58	7,721,894.69
NICKEL—	Pounds	Pounds	Pounds	Pounds
5 cents.....	(a)	13,448.50	(b) 10,045.30	(c) 478,646.28
BRONZE—				
1 cent.....	1,497,218.50	1,525,924.50	982,482.25	999,363.81
	Short Tons 1,159.6	Short Tons 1,219.0	Short Tons 769.7	Short Tons 1,003.7

(a) Nickel Strip purchased

(b) Blanks cut from Nickel Strip

(c) Includes Nickel Blanks purchased

Sixty-three thousand six hundred and twenty-five ounces of worn and mutilated silver coins were melted and cast into slabs for assay and conversion to 800 standard coinage bars; 857 pounds of bronze worn coin and 11 pounds of tombac five-cent coins were converted for use in one-cent coinage.

Two hundred and nine ounces of gold proof plate; 53 ounces of silver proof plate; 7,223 ounces of fine silver discs; 897 ounces of copper discs; were produced for use in the Assay Division.

Four thousand and ninety-four ounces of fine gold cathodes were rolled for use in the electrolysis plant of the Refinery Division.

The number of obverse and reverse dies used in coin production of each denomination and the average production per pair of dies in 1960 and 1961 are shown in the tables below:

Denomination	1960				1961			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	1,420,486	72	49	23,479	1,262,231	71	32	24,509
50 cents.....	3,488,897	55	17	96,914	3,584,417	38	28	108,619
25 cents.....	22,835,327	283	299	78,472	18,164,368	178	273	80,552
10 cents.....	45,446,835	589	335	98,370	26,850,859	173	139	172,121
5 cents.....	37,157,433	528	360	83,688	47,889,051	234	188	226,962
1 cent.....	75,772,775	269	97	414,059	139,598,404	164	96	1,073,834
	186,121,753	1,796	1,157		237,349,330	858	756	
	Average per pair of dies.....			126,056	Average per pair of dies.....			294,113

The mean finenesses of the Silver Coinage struck in 1961 were as follows:

Denomination	Standard	Mean Fineness
1 dollar.....	800.00	799.04
50 cents.....	800.00	798.97
25 cents.....	800.00	799.18
10 cents.....	800.00	799.21

Samples from 531,433.41 pounds of nickel blanks and coils were assayed and found to satisfy Mint specifications.

Thirteen suspected counterfeit coins were received from the Royal Canadian Mounted Police and sundry individuals. Of these coins, four 25¢ pieces and one 50¢ piece were found to be counterfeit.

### GOLD BULLION

Six thousand and fifty-eight deposits of gold bullion were received during the year from Canadian Mining Companies and Sundry Persons. The composition of the deposits was as follows:

#### *Fine Gold—*

448 deposits weighing 343,025.565 ounces with a mean fineness of 996.859

#### *Crude Bullion—*

3,353 deposits weighing 2,677,815.153 ounces with an average fineness of 773.112 gold, 217.020 silver and containing 0.9868% base metal

#### *Scrap (Jewellery and Dental)*

254 deposits, 16,845.270 ounces of an average fineness of 524.134 gold and 75.191 silver

#### *Gold for Storage—*

2,003 deposits weighing 1,707,953.364 ounces with an average fineness of 807.462

The net value paid to depositors was \$85,387,379.84. In addition the amount of fine gold issued to depositors was 1,354,571.393 ounces.

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	Ounces Fine
6,130 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	2,449,642.801
Depositors—granulated and bars.....	1,354,571.393
Sales of fine gold.....	49.166
Trial Plate for assay purposes.....	4.084
Medals, etc.....	16.357
Sweep.....	7,770.485
	<u>3,812,054.286</u>

This total shows a decrease of 202,716.819 ounces fine issued as compared with the year 1960.

Comparative statement showing details of gold deposits received for 1960 and 1961

	Number of Deposits Received				Gross Ounces			
	1960	1961	Increase	Decrease	1960	1961	Increase	Decrease
Sale to Her Majesty.....	3,963	3,801	.....	162	3,235,021	3,020,841	.....	214,180
For Storage.....	2,020	2,003	.....	17	1,720,707	1,707,953	.....	12,754
Jewellery and Scrap.....	251	254	3	.....	14,998	16,845	1,847	.....
Total Received.....	6,234	6,058	.....	176	4,970,726	4,745,639	.....	225,087
	Fine Gold Ounces				Fine Silver Ounces			
	1960	1961	Increase	Decrease	1960	1961	Increase	Decrease
Sale to Her Majesty.....	2,581,596	2,412,200	.....	169,396	572,993	582,406	9,413	.....
For Storage.....	1,435,732	1,379,108	.....	56,624	.....	.....	.....	.....
Jewellery and Scrap.....	7,298	8,829	1,531	.....	.....	.....	.....	.....
Total Received.....	4,024,626	3,800,137	.....	224,489	572,993	582,406	9,413	.....

Details of origin of the bullion deposited for sale to Her Majesty and for storing during the year 1961 are shown in the following table:

From Canadian Mines and Refineries		Sale to Her Majesty		Gold Storage		Total		Total Fine Silver Ounces
		Gross Weight	Fine Gold	Gross Weight	Fine Gold	Gross Weight	Fine Gold	
Ontario.....	Ounces	Ounces	Ounces	Ounces	Ounces	Ounces	Ounces	Ounces
Quebec.....	1,997,708.562	1,622,881.082	1,010,829,814	895,519.198	3,008,538.376	2,518,400.280	299,683.41	
British Columbia.....	825,303.880	633,208.528	64,251.850	15,112.936	889,555.730	648,321.464	165,506.84	
Manitoba.....	72,505.586	57,965.500	76,045.970	64,320.440	148,551.556	122,285.940	19,529.02	
Yukon Territory.....	42,909.270	31,827.425	.....	.....	42,909.270	31,827.425	5,539.58	
North West Territories.....	82,220.290	66,146.576	.....	.....	82,220.290	66,146.576	13,564.79	
Alberta.....	.....	.....	556,825.730	404,155.618	556,825.730	404,155.618	77,298.84	
Total from Canadian Mines and Refineries.....	193,130	170.942	.....	.....	193,130	170.942	16.97	
From Jewellery and Scrap.....	3,020,840.718	2,412,200.053	1,707,953.364	1,379,108.192	4,728,794.082	3,791,308.245	581,139.45	
Grand Total.....	16,845.270	8,829.174	.....	.....	16,845.270	8,829.174	1,266.61	
	3,037,685.988	2,421,029.227	1,707,953.364	1,379,108.192	4,745,639.352	3,800,137.419	582,406.06	



The following table gives details of fine bullion produced during the year:

Produced	Number	Gross Weight	Fine Weight	Average Assay
		Ounces	Ounces	
Fine Gold Bars.....	6,126	2,454,092.100	2,447,876.250	997.5
Granulated Gold.....		1,959.420	1,959.224	999.9
Fine Silver Bars.....	511	566,025.45	565,906.82	999.8
Granulated Silver.....		4,000.00	3,999.20	999.8
Gold Trial Plate.....			4.084	
Gold Medals.....			135.974	
Silver Medals.....			51.84	
Finishing and Plating Medals.....			.537	
Storage—Gold Bars.....	3,322	1,331,202.949	1,327,974.870	997.6
Granulated Gold.....		25,371.574	25,368.554	999.8

Special Processes	Number	Gross Weight
		Ounces
Remelts.....	200	119,622.010
Toughenings.....	4	198.200
		Pounds Avoirdupois
Chloride Reduction.....		81,009.0
Sweeps.....		104,327.0

Details of the assays, etc., made during the year are shown hereunder:

*Gold—*

Refinages.....	5,192	
Rough Gold.....	34,224	
Proofs.....	3,228	
Parting Proofs.....	895	
Parting Buttons.....	12,008	
Miscellaneous.....	4	
		55,551

*Silver—*

Standard Bars.....	6,270	
Pyx.....	2,082	
Proofs.....	392	
Fine Silver.....	2,904	
Miscellaneous.....	100	
		11,748

*Miscellaneous—*

For the Marking Act Inspector.....	6	
Mint Residues (sweeps, etc.).....	398	
		404
		67,703

NOTES—Sixty-eight medals and two sets of replicas were gold plated. Two working trial plates of gold were made and fixed. One silver trial plate was made and fixed. One hundred and sixty-eight Governor General's crests were gold plated.



## GOLD STORAGE

During the year twelve mines deposited gold bullion at the Mint under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for storage.

The fine gold content of the bullion deposited under this heading during 1961 amounted to 1,379,108.192 ounces. Fine bullion amounting to 1,350,196.865 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## MEDALS

Three thousand six hundred and eighty-one ounces of sterling silver bars were cast, mainly for use in The Governor General's Medals.

Two thousand eight hundred and thirty-nine pounds of tombac bars were cast for use in The Governor General's Medals, Canadian Forces Decoration Medals, Campaign Stars and other miscellaneous medals.

At the request of His Excellency, Major General Georges P. Vanier, models for The Governor General's Medals were prepared. For the obverse, a portrait model of the conjoined busts of Their Excellencies facing left, was made in clay from photographs. After approval of the model, a plaster cast was taken and the inscription "VIR · EXC · GEORGIUS · SUMMUS · R · P · GUBERNATOR · DOMINAQUE · PAULINA · VANIER" was cut in by hand. His Excellency's Coat of Arms was taken for the reverse design. Master punches and working dies were then produced on the engraving machine. (See Plate 1)

Several dies of His Excellency's crest were made for use in leather work, in printing and reproduction of silver and gold crests for use in jewellery work.

Official descriptions of the Coat of Arms and of the Crest follow:

(Extract from Letters Patent, 1961)

*Arms:*

Or on a Chevron Paly Azure and Gules two—Swords chevronwise points inward Gold in chief an Oak Tree couped proper between a Fleur de Lys also Azure and a Trefoil slipped Vert and in base a representation of the Gate of The Citadel of Quebec flying thereon the Flag of the Governor-General of Canada

*Crest:*

On a Wreath Or Azure and Gules A representation of the tower and steeple of the Church of St. Catherine at Honfleur in France—all Gold.

At the request of the Governor of the Bank of Canada, a master signature die "L. RASMINSKY" was engraved by hand.

At the request of the Royal Architectural Institute of Canada, a new obverse die was made for the medals which they present to their Fellows and Students. The original die was in such bad condition that it was necessary to make a new clay model and cut a new die on the engraving machine. (See Plate 11)

The following medals were struck and issued during 1961:

For His Excellency, Major General Georges P. Vanier, D.S.O., M.C.,  
C.D.—

Governor General's Medals, Silver, 925 fine (gilded).....	30
Governor General's Medals, Silver, 925 fine (toned).....	178
Governor General's Medals, Tombac (toned).....	540
Governor General's Crests, large, Silver 925 fine (gilded).....	36
Governor General's Crests, small, Silver 925 fine (gilded).....	132
Governor General's Crests, small, Silver 925 fine.....	18





(ACTUAL SIZE 2" dia.)



(ACTUAL SIZE 1.8" dia.)



## PLANT AND EQUIPMENT

During the year, four coining presses were converted to strike two one cent pieces at one time, hence boosting the effective rate of striking to around 300 pieces per minute per press. This required a great deal of patient trial and error work on the part of the Mechanical Superintendent and his staff. The application of this principle to two additional presses is well advanced, and when it has been completed, the principle will be extended to the striking of five cent coins.

Much time and effort has been given to material handling and the principle of automatic feeding has been applied to the marking machines, as well as extended to nine coining presses. Bulk handling, storing and weighing of blanks and scissel is gradually being extended, and the coming year should see considerable progress in this respect.

One hundred and twenty steel signature dies were produced and mounted on steel blocks for the Bank of Canada.

In addition to the above mentioned major projects, the manufacture of coinage and medal dies, collars, blanking tools and the current maintenance work incidental to the production of over two hundred and thirty-seven million coins and the refining of over three and a half million ounces of fine gold, kept the mechanical and electrical sections of the staff fully occupied during the year.

## GENERAL

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by the Auditor General's Department in February.

The Assay Commissioners, Mr. G. H. Faye of the Department of Mines and Technical Surveys, Dr. A. W. Tickner and Mr. R. J. Berry of the National Research Council appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the currency of Canada struck at the Royal Canadian Mint during 1960 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge P. J. MacDonald, on the 2nd day of May, 1961.

The findings of the Commissioners, at the Trial of the Pyx, show that the weight and fineness of the coins tested were within the remedy as prescribed by law.

Thirty-nine thousand six hundred and ninety-two visitors were admitted to view the coining operations of the Mint during the year.

The number on the staff as at 31st December, 1961, was 203. Of this number 37 were employed in the Administrative and Mint Office Division, 112 in the Coining and Medal Division, 17 in the Assay Division and 37 in the Refinery.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, circulation of coin in Canada and statements of coinage and bullion operations for the calendar year 1961 are appended herewith.

Respectfully submitted,

N. A. PARKER,

*Master, Royal Canadian Mint.*

## APPENDIX A

Summary of transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931, to December 31, 1961

YEAR	GOLD RECEIVED		GOLD ISSUED	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1951 .....	127,008,143.346	102,380,364.777	383,319.096	101,773,275.077
1952 .....	4,848,048.381	3,953,158.154	.....	4,031,068.071
1953 .....	4,642,410.478	3,684,073.637	.....	3,626,496.738
1954 .....	4,768,451.365	3,829,430.609	.....	3,998,835.566
1955 .....	4,878,918.379	3,947,636.509	.....	3,952,764.485
1956 .....	4,693,484.529	3,801,788.815	.....	3,774,599.457
1957 .....	4,798,296.343	3,896,083.563	.....	3,776,710.677
1958 .....	4,868,066.405	3,958,458.747	.....	4,088,706.348
1959 .....	4,805,493.520	3,908,640.185	.....	3,836,679.842
1960 .....	4,970,726.079	4,024,625.964	.....	4,014,771.105
1961 .....	4,745,639.352	3,800,137.419	.....	3,812,054.286
	175,027,678.177	141,184,398.379	383,319.096	140,685,961.652



APPENDIX B (1)  
COIN ISSUED IN CANADA

SILVER										
		Dollar \$	50¢ \$	25¢ \$	20¢ \$	10¢ \$	5¢ \$	Total Silver \$		
1858 to 1907	New Brunswick, 1861, 2 and 4, Nova Scotia 1861, 2 and 4, Prince Edward Island, 1871. Rest of Canada, 1858-1907	Struck in England								
Totals.....			1,249,018	5,094,978	210,000	3,040,000	2,926,000	12,459,996		
GOLD										
		Sover- eigns £	\$10 \$	\$5 \$						
1908 to 1961		627,834	3,480,380	1,388,070						
Totals.....			25,550,522.00	68,697,640.50	210,000	43,052,852.40	6,020,802	157,261,703.90		

# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel	Tombac	Steel	Bronze	
	5¢ \$	5¢ \$	5¢ \$	1¢ \$	½¢ \$
1858 to 1907	<div> <div> <div>New Brunswick, 1861, 2 and 4.</div> <div>Nova Scotia, 1861, 2 and 4.</div> <div>Prince Edward Island, 1871.</div> <div>Rest of Canada, 1858 to 1907.</div> </div> <div>Struck in England</div> </div>				
				20,000	1,114
				26,000	4,000
				10,000	
				803,315	
Totals.....				859,315	5,114
1908 to					
1951.....	7,856,789.20	1,407,824.50	1,704,129.35	10,150,239.22	
1952.....	597.80		576,965.00	683,820.86	
1953.....	233.75		831,914.75	655,129.75	
1954.....	27.05		350,229.50	263,897.03	
1955.....	267,801.00			566,863.07	
1956.....	469,992.70			786,855.35	
1957.....	366,493.10			1,004,220.54	
1958.....	379,616.00			578,274.13	
1959.....	576,680.40			829,116.42	
1960.....	1,735,707.00			748,101.00	
1961.....	2,512,368.65			1,417,543.73	
Totals.....	14,166,306.65	1,407,824.50	3,463,238.60	18,543,376.10	5,114

# APPENDIX C CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER

Year	Silver \$	Nickel \$	Tombac \$	Steel \$	Bronze \$	Total \$	Per Capita \$
1905.....	10,487,774				791,429	11,279,203	1.85
1910.....	14,327,662				967,353	15,295,015	2.03
1915.....	18,588,573				1,212,588	19,801,161	2.51
1920.....	28,384,850				1,895,783	30,280,633	3.51
1925.....	27,713,019				2,020,470	29,733,489	3.20
1930.....	28,562,330	1,494,525			2,297,405	32,354,260	3.17
1935.....	28,407,168	2,449,278			2,818,341	33,674,787	3.11
1940.....	36,944,040	4,015,232			4,092,234	45,051,506	3.96
1941.....	40,339,221	4,467,463			4,648,567	49,455,251	4.30
1942.....	44,011,038	4,827,596	169,424		5,422,131	54,430,189	4.67
1943.....	51,009,046	4,826,033	1,407,424		6,300,627	63,543,130	5.39
1944.....	54,972,812	4,825,057	1,407,754	571,000	6,753,329	68,529,952	5.74
1945.....	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946.....	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947.....	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948.....	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949.....	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950.....	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951.....	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952.....	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953.....	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954.....	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955.....	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956.....	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957.....	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958.....	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959.....	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960.....	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38
1961.....	146,902,352	14,110,198	549,021	3,451,708	18,311,853	183,325,132	10.09

## APPENDIX D

ROYAL CANADIAN MINT  
COINAGE AND BULLION OPERATIONS, 1961

## GOLD BULLION

	Fine Ounces	Value
Gold on hand, December 31, 1960.....	225,895.860	\$ 7,555,618.02
Gold purchased at various rates.....	2,421,029.227	85,657,903.44
Gain on operations.....	2,116.030	73,056.60
Adjustment in valuation of gold.....		244,154.19
	<u>2,649,041.117</u>	<u>\$93,530,732.25</u>
Less: Gold sold at various rates.....	2,461,857.445	87,084,912.92
Balance held at December 31, 1961.....	<u>187,183.672</u>	<u>\$ 6,445,819.33</u>

## SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1960.....		\$ 167,308.96
Bullion purchased.....		542,594.98
Treatment charges—Sweep.....		6,697.34
Net gain on operations.....		8,816.84
		<u>\$ 725,418.12</u>
Less: Bullion transferred to Silver Coinage Account.....	\$ 348,039.26	
Bullion sold.....	47,806.14	395,845.40
Balance, December 31, 1961.....		<u>\$ 329,572.72</u>

## SILVER COINAGE ACCOUNT

Balance, December 31, 1960.....	\$ 3,958,895.98
Bullion and Alloy purchased or transferred.....	9,761,803.25
Worn coin purchased (withdrawn for recoinage).....	109,209.95
Net gain on coinage credited to Consolidated Revenue Fund.....	4,586,680.88
	<u>\$18,416,590.06</u>
Less: Coin sold.....	10,299,580.55
Balance, December 31, 1961.....	<u>\$ 8,117,009.51</u>

## NICKEL COINAGE ACCOUNT

Balance, December 31, 1960.....	\$ 150,227.82
Metal purchased.....	1,153,106.99
Mutilated coin purchased.....	1,433.05
Net gain on coinage credited to Consolidated Revenue Fund.....	1,376,066.74
	<u>\$ 2,680,834.60</u>
Less: Coin sold.....	\$ 2,512,368.65
Nickel brockages and scrap sold.....	30,792.47
	<u>2,543,161.12</u>
Balance, December 31, 1961.....	<u>\$ 137,673.48</u>

## APPENDIX D—Concluded

## BRONZE COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1960.....		\$ 146,645.97
Metal purchased.....		350,641.17
Worn coin purchased (withdrawn for recoinage).....		1,712.37
Toll charges on copper residues.....		4,187.06
Net gain on coinage credited to Consolidated Revenue Fund.....		1,064,845.80
		<u>\$ 1,568,032.37</u>
Less: Coin sold.....	\$ 1,417,543.73	
Alloy transferred to silver coinage account.....	6,336.00	
Metal in medals sold.....	214.48	
		<u>1,424,094.21</u>
Balance, December 31, 1961.....		<u><u>\$ 143,938.16</u></u>

## STEEL COINAGE ACCOUNT

Balance, December 31, 1960.....	\$	5,641.22
Mutilated coin purchased.....		1,168.25
		<u>\$ 6,809.47</u>
Less: Loss in destruction of coin by melting charged to Consolidated Revenue Fund.....		6,060.77
Balance, December 31, 1961.....	\$	<u><u>748.70</u></u>

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DEPARTMENT OF FINANCE

Canada  
10

# ROYAL CANADIAN MINT REPORT

For Calendar Year 1962



Published by authority of Hon. George C. Nowlan, Minister of Finance







CANADA  
DEPARTMENT OF FINANCE

# R E P O R T

*of the*

MASTER OF THE  
ROYAL CANADIAN MINT

*For Calendar Year*  
1962

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ROGER DUHAMEL, F.R.S.C.  
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY  
OTTAWA, 1963

Price 50 cents   Cat. No. F71-1962

Available from the Queen's Printer  
Ottawa, Canada

## PREFACE

The Ottawa Mint, established as a branch of the Royal Mint, London, under the (Imperial) Coinage Act, 1870, and opened January 2, 1908, was by 21-22 Geo. V, ch. 48, constituted a branch of the Department of Finance and by the Proclamation of November 14, 1931, it has since December 1, 1931, operated as the Royal Canadian Mint.

The principal functions of the Mint are the execution of domestic and foreign coin; the refining of gold and silver; the acquisition of gold, silver and other metals, payments for which are made on the basis of Mint assays; the control, preparation and movement of gold and coin shipments; the safeguarding of Mint holdings of monetary metals, including coin and precious metals in various processing stages until finished and issued; the fabrication and engraving of dies for coinage, medals, signatures and official seals; the issue of coin sets to numismatists and the administration of various regulations issued under the terms and provisions of the Currency, Mint and Exchange Fund Act, RS 1952, ch. 315.



# ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
OTTAWA.

SIR:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1962.

## COINAGE

Requests for coin from the Bank of Canada and the various chartered banks continued to increase during 1962. This unprecedented demand resulted in a record output of 352,067,794 pieces, which is an increase of 114,718,464 pieces over 1961 production. Prior to 1959, 114 million pieces would have been considered normal production for one year. All members of the staff worked untiringly throughout the year, and it is due to their extra effort that the 1962 coinage production was the largest in the history of the Mint.

Comparative statements of the production and issue of coin, by denominations, for the years 1961 and 1962 and a graph illustrating coinage production during the last ten years are shown hereunder:

### COINAGE PRODUCTION IN 1961 AND 1962

<i>Canada</i>	<i>1961</i>	<i>1962</i>
Denomination—Metallic Composition.....	Pieces	Pieces
<i>Silver</i>		
1 dollar—800 parts silver, 200 parts copper.....	1,262,231	1,884,789
50 cents—800 parts silver, 200 parts copper.....	3,584,417	5,208,030
25 cents—800 parts silver, 200 parts copper.....	18,164,368	29,559,266
10 cents—800 parts silver, 200 parts copper.....	26,850,859	41,864,335
<i>Nickel</i>		
5 cents—pure nickel.....	47,889,051	46,307,305
<i>Bronze</i>		
1 cent—98% copper, 2% tin and zinc.....	139,598,404	227,244,069
	237,349,330	352,067,794

The above coinage for 1962 consists of 330 tons of silver, 878 tons of copper, 232 tons of nickel and 16 tons of zinc and tin.

The production of twenty-five cent pieces showed an increase of 63%, that of ten cent pieces an increase of 56% and that of one cent pieces an increase of 63% as compared to production figures of 1961.



**Worn and mutilated coin withdrawn from circulation:**

	<i>Withdrawn</i>	<i>Net Increase in Circulation</i>
	\$	\$
Silver Coin.....	87,884.60	16,026,355.25
Nickel Coin—5 cents (mutilated only).....	1,322.10	2,322,889.55
Tombac Coin—5 cents.....	12.00	—
Steel Coin—5 cents.....	1,031.55	—
Bronze Coin.....	1,234.14	2,283,690.66

In 1962, for the first time, the five-cent coin was struck from nickel blanks fabricated in Canada.

**COINAGE ISSUE IN 1961 AND 1962**

<i>Canada</i>	<i>1961</i>	<i>1962</i>
	\$	\$
<b>Denomination</b>		
<i>Silver Coin—</i>		
1 dollar.....	1,252,928.00	1,894,092.00
50 cents.....	1,772,222.00	2,624,001.50
25 cents.....	4,554,593.25	7,392,098.75
10 cents.....	2,719,837.30	4,204,047.60
Total Silver.....	10,299,580.55	16,114,239.85
<i>Nickel Coin—</i>		
5 cents.....	2,512,368.65	2,324,211.65
<i>Bronze Coin—</i>		
1 cent.....	1,417,543.73	2,284,924.80
Total.....	14,229,492.93	20,723,376.30
<b>Representing:</b>	<b>Number of Pieces</b>	
Total.....	242,215,864	353,727,679

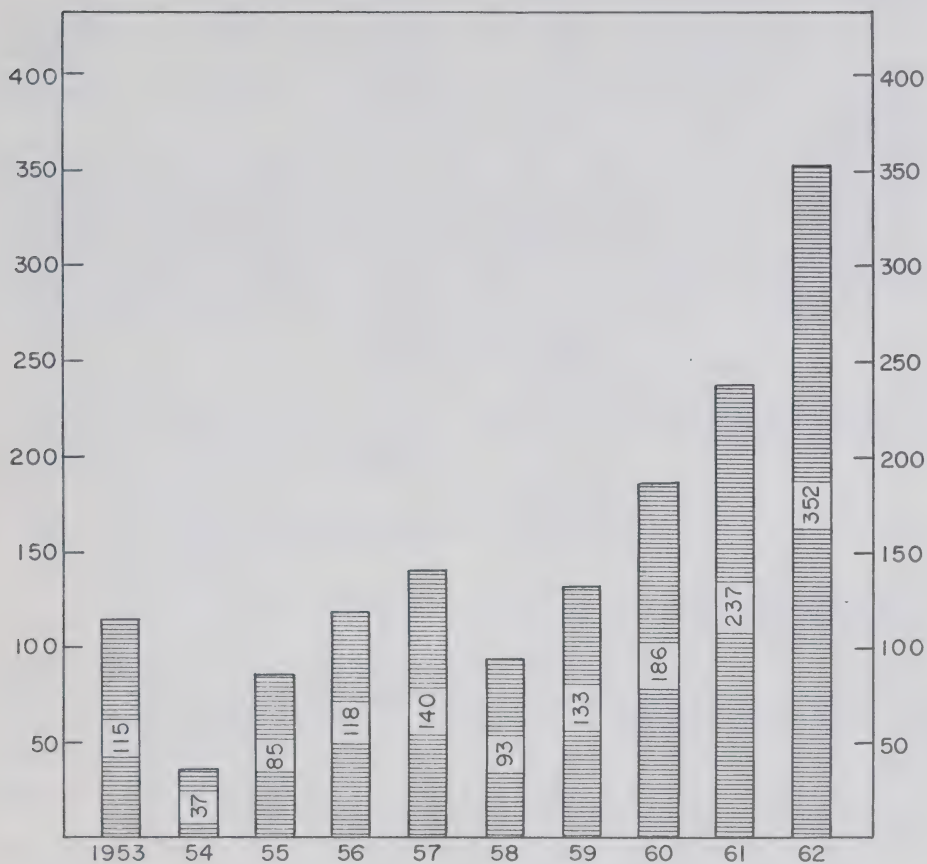
The following table shows the distribution of uncirculated coin issued to Sundry Persons by the Numismatic Section for the year 1962:

	<i>Silver</i>				<i>Nickel</i>	<i>Bronze</i>
	<i>Dollar</i>	<i>50 Cents</i>	<i>25 Cents</i>	<i>10 Cents</i>	<i>5 Cents</i>	<i>1 Cent</i>
	\$	\$	\$	\$	\$	\$
Issued in Mint sets....	200,950.00	100,475.00	50,237.50	20,095.00	10,047.50	2,009.50
Issued separately.....	47,591.00	83.00	1.00	.30	270.80	3.53
Totals.....	248,541.00	100,558.00	50,238.50	20,095.30	10,318.30	2,013.03

A record number of 200,950 coin sets and 47,591 separate silver dollars were sold. This represents an increase of 102,577 sets or 104% and an increase of 25,036 dollars or 111% over 1961.

# COINAGE PRODUCED

(MILLIONS OF PIECES)



Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

Agency	Silver				Nickel	Bronze
	Dollar	50 Cents	25 Cents	10 Cents	5 Cents	1 Cent
	\$	\$	\$	\$	\$	\$
Calgary.....	110,000.00	231,000.00	642,000.00	328,000.00	192,000.00	131,460.00
Halifax.....	60,000.00	83,000.00	339,000.00	160,000.00	75,000.00	81,000.00
Montreal.....	330,000.00	289,000.00	2,139,000.00	935,000.00	625,500.00	577,740.00
Ottawa.....	138,551.00	70,443.50	367,860.25	352,952.30	99,293.35	97,831.77
Regina.....	41,000.00	59,000.00	321,000.00	176,000.00	73,800.00	99,900.00
Saint John, N.B.....	33,000.00	80,000.00	265,000.00	115,000.00	64,500.00	36,000.00
St. John's, Nfld.....	4,000.00	69,000.00	28,000.00	50,000.00	30,600.00	19,080.00
Toronto.....	652,000.00	1,142,000.00	1,966,000.00	1,315,000.00	762,900.00	863,220.00
Vancouver.....	162,000.00	395,000.00	700,000.00	510,000.00	248,100.00	255,000.00
Winnipeg.....	115,000.00	105,000.00	574,000.00	242,000.00	142,200.00	121,680.00
Sundry Persons.....	248,541.00	100,558.00	50,238.50	20,095.30	10,318.30	2,013.03
Totals.....	1,894,092.00	2,624,001.50	7,392,098.75	4,204,047.60	2,324,211.65	2,284,924.80

The details of the weights of silver bullion, bronze and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized in the following table:

<i>Canada</i>	<i>Bars Cast</i>	<i>Bars Rolled</i>	<i>Blanks Cut</i>	<i>Good Coin Produced</i>
	Ounces	Ounces	Ounces	Ounces
Denomination				
<i>Silver, 800 fine—</i>				
1 dollar	23,231,411.60	21,686,890.85	1,686,677.06	1,413,714.37
50 cents			1,984,788.42	1,953,998.49
25 cents			6,260,901.92	5,553,929.02
10 cents			3,384,751.04	3,138,188.03
Total Silver.....	23,231,411.60	21,686,890.85	13,317,118.44	12,059,829.91
	Pounds	Pounds	Pounds	Pounds
<i>Nickel—</i>				
5 cents.....	—	—	<sup>a</sup> 406,279.33	463,086.67
<i>Bronze—</i>		2,237,096.75		
1 cent.....	2,341,552.00	<sup>b</sup> 463,336.00	1,743,599.89	1,622,078.50
	Short Tons	Short Tons	Short Tons	Short Tons
	1,967.3	2,093.8	1,531.5	1,456.1

<sup>a</sup>Nickel blanks purchased.  
<sup>b</sup>Bronze strip purchased.

Eighty-four thousand nine hundred and fifty-eight ounces of worn and mutilated silver coins were melted and cast into ingots for assay and conversion to 800 standard coinage bars; 881 pounds of worn bronze coin was re alloyed for use in one-cent coinage. Five pounds of tombac five-cent coin was converted for use in bronze coinage.

Seventy-five ounces of gold proof plate; 4,526 ounces of silver discs and 655 ounces of copper discs were produced for the Assay Division.

Five thousand three hundred and fifty-nine ounces of fine gold cathodes were rolled for use in the electrolysis plant of the Refinery Division.

The number of obverse and reverse dies used in coin production of each denomination and the average production per pair of dies in 1961 and 1962 are shown in the tables below:

Denomination	1961				1962			
	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies	Number of Good Pieces Coined	Number of Dies Used		Pieces per Pair of Dies
		Obverse	Reverse			Obverse	Reverse	
\$1.....	1,262,231	71	32	24,509	1,884,789	59	41	37,696
50 cents.....	3,584,417	38	28	108,619	5,208,030	70	59	80,745
25 cents.....	18,164,368	178	273	80,552	29,559,266	468	662	52,317
10 cents.....	26,850,859	173	139	172,121	41,864,335	339	264	138,854
5 cents.....	47,889,051	234	188	226,962	46,307,305	451	317	120,592
1 cent.....	139,598,404	164	96	1,073,834	227,244,069	562	489	432,434
	237,349,330	858	756		352,067,794	1,949	1,832	
	Average per pair of dies.....			294,113	Average per pair of dies.....			186,230

The mean finenesses of the Silver Coinage struck in 1962 were as follows:

<i>Denomination</i>	<i>Standard</i>	<i>Mean Fineness</i>
1 dollar.....	800.00	799.24
50 cents.....	800.00	799.28
25 cents.....	800.00	799.12
10 cents.....	800.00	799.28

Samples from 406,279.33 pounds of nickel blanks and 463,336.00 pounds of bronze coils were assayed and found to satisfy Mint specifications.

Six suspected counterfeit coins were received from the Royal Canadian Mounted Police and sundry individuals. Of these coins, two were found to be counterfeit, one 5c. piece and one 10c. piece.

GOLD BULLION

Five thousand four hundred and forty-two deposits of gold bullion were received during the year from Canadian Mining Companies and Sundry Persons. The composition of the deposits was as follows:

*Fine Gold—*

299 deposits weighing 293,532.754 ounces with a mean fineness of 997.002

*Crude Bullion—*

3,226 deposits weighing 2,581,498.440 ounces with an average fineness of 779.409 gold, 148.988 silver, and containing 7.1603% base metal

*Scrap (Jewellery and Dental)*

209 deposits, 11,930.690 ounces of an average fineness of 469.994 gold and 82.509 silver

*Gold for Storage—*

1,708 deposits weighing 1,477,010.455 ounces with an average fineness of 798.012 gold and 105.508 silver

The net value paid to depositors was \$87,469,528.64. In addition the amount of fine gold issued to depositors was 1,157,021.592 ounces.

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	<i>Ounces Fine</i>
5,897 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	2,356,066.278
Depositors—granulated and bars .....	1,157,021.592
Sales of fine gold.....	22.035
Trial Plate for assay purposes .....	1.025
Medals, etc.....	20.428
Sweep.....	7,274.240
	3,520,405.598

This total shows a decrease of 291,648.688 ounces fine issued as compared with the year 1961.

## Comparative statement showing details of gold deposits received for 1961 and 1962:

	<i>Number of Deposits Received</i>				<i>Gross Ounces</i>		
	1961	1962	Increase	Decrease	1961	1962	Increase
Sale to Her Majesty.....	3,801	3,525	—	276	3,020,841	2,875,031	—
For Storage.....	2,003	1,708	—	295	1,707,953	1,477,010	—
Jewellery and Miscellaneous.....	254	209	—	45	16,845	11,931	—
Total Received.....	6,058	5,442	—	616	4,745,639	4,363,972	—
							381,667
	<i>Fine Gold Ounces</i>				<i>Fine Silver Ounces</i>		
	1961	1962	Increase	Decrease	1961	1962	Increase
Sale to Her Majesty.....	2,412,200	2,338,971	—	73,229	582,406	541,433	—
For Storage.....	1,379,108	1,144,396	—	234,712	—	—	—
Jewellery and Miscellaneous.....	8,829	5,607	—	3,222	—	—	—
Total Received.....	3,800,137	3,488,974	—	311,163	582,406	541,433	—
							40,973



Details of origin of the bullion deposited for sale to Her Majesty and for storing during the year 1962 are shown in the following table:

<i>From Canadian Mines and Refineries</i>	<i>Sale to Her Majesty</i>		<i>Gold Storage</i>		<i>Total</i>		<i>Total Fine Silver</i>
	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Gross Weight</i>	<i>Fine Gold</i>	
	Ounces	Ounces	Ounces	Ounces	Ounces	Ounces	Ounces
Ontario .....	1,851,546.724	1,506,072.980	920,510.545	802,471.719	2,772,057.269	2,308,544.699	280,397.41
Quebec .....	725,770.810	562,406.937	56,949.150	15,152.469	782,719.960	577,559.406	150,929.09
British Columbia .....	153,876.120	123,468.065	6,723.010	6,471.602	160,599.130	129,939.667	23,343.03
Manitoba .....	43,046.350	30,492.699	—	—	43,046.350	30,492.699	5,292.45
Yukon Territory .....	68,428.580	54,804.869	—	—	68,428.580	54,804.869	11,496.09
North West Territories .....	32,136.850	27,263.250	492,824.060	354,572.951	524,960.910	381,836.201	68,973.50
Alberta .....	225.760	186.421	—	—	225.760	186.421	17.08
<b>Total from Canadian Mines and Refineries</b>	<b>2,875,031.194</b>	<b>2,304,695.221</b>	<b>1,477,006.765</b>	<b>1,178,668.741</b>	<b>4,352,037.959</b>	<b>3,483,363.962</b>	<b>540,448.65</b>
<b>From Jewellery and Miscellaneous .....</b>	<b>11,930.690</b>	<b>5,607.351</b>	<b>3.690</b>	<b>3.019</b>	<b>11,934.380</b>	<b>5,610.370</b>	<b>984.39</b>
<b>Total .....</b>	<b>2,886,961.884</b>	<b>2,310,302.572</b>	<b>1,477,010.455</b>	<b>1,178,671.760</b>	<b>4,363,972.339</b>	<b>3,488,974.332</b>	<b>541,433.04</b>
<b>Fine Gold released by Mines from Gold Storage for sale to Her Majesty .....</b>	<b>—</b>	<b>34,276.089</b>	<b>—</b>	<b>34,276.089</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Total .....</b>	<b>2,886,961.884</b>	<b>2,344,578.661</b>	<b>1,477,010.455</b>	<b>1,144,395.671</b>	<b>4,363,972.339</b>	<b>3,488,974.332</b>	<b>541,433.04</b>



The following table gives details of fine bullion produced during the year:

<i>Produced</i>	<i>Number</i>	<i>Gross Weight</i>	<i>Fine Weight</i>	<i>Average Assay</i>
		<i>Ounces</i>	<i>Ounces</i>	
Fine Gold Bars.....	5,804	2,324,729.700	2,319,102.538	997.6
Granulated Gold.....	—	4,355.970	4,355.537	999.9
Fine Silver Bars.....	516	569,149.22	569,030.74	999.8
Granulated Silver.....	—	3,828.38	3,827.23	999.7
Gold Trial Plate.....	—	—	1.025	—
Gold Medals.....	—	—	112.706	—
Silver Medals.....	—	—	106.19	—
Finishing and Plating Medals.....	—	—	.247	—
Storage—Gold Bars.....	2,700	1,081,908.917	1,079,313.001	997.6
Granulated Gold.....	—	72,440.460	72,431.699	999.9
Special Bar—Silver.....	3	51.51	51.50	—
Special Bar—Silver Nickel Alloy.....	—	—	142.18	—
Special Bar—Gold.....	2	—	22.035	—
Sweep Sold—Gold.....	—	—	7,274.240	—
Sweep Sold—Silver.....	—	—	39,683.91	—

<i>Special Processes</i>	<i>Number</i>	<i>Gross Weight</i>
		<i>Ounces</i>
Remelts.....	155	90,697.740
Toughenings.....	3	627,210
		<i>Pounds Avoirdupois</i>
Chloride Reduction.....	2 3/4	74,087.0
Sweeps.....		99,498.0

Details of the assays, etc., made during the year are shown hereunder:

<i>Gold—</i>		
Refinages.....	5,452	
Rough Gold.....	31,776	
Proofs.....	3,101	
Parting Proofs.....	785	
Parting Buttons.....	11,209	
Miscellaneous.....	586	
	—	52,909
<i>Silver—</i>		
Standard Bars.....	10,290	
Pyx.....	3,238	
Proofs.....	557	
Fine Silver.....	4,470	
Miscellaneous.....	229	
	—	18,784
<i>Miscellaneous—</i>		
For the Marking Act Inspector.....	17	
Mint Residues (sweeps, etc.).....	357	
	—	374
		72,067

NOTES—Thirty-eight medals and two sets of replicas were gold plated. Two working gold trial plates were made and fixed. Ninety-six Governor General's crests were gold plated.



PLATE I



(ACTUAL SIZE 2.125" dia.)



(ACTUAL SIZE 1.75" dia.)



## GOLD STORAGE

During the year eleven mines deposited gold bullion at the Mint under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for storage.

The fine gold content of the bullion deposited under this heading during 1962 amounted to 1,144,395.671 ounces. Fine bullion amounting to 1,153,632.855 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## MEDALS

Two thousand ounces of sterling silver and two thousand seven hundred and thirty-four pounds of tombac were cast for the production of various medals.

The Vanier Medal of the Institute of Public Administration of Canada was produced at the request of the Institute. The Medal is presented as a mark of distinction and exceptional achievement to a person who has shown distinctive leadership in Public Administration in Canada, or who, by his writings or other endeavours, has made a significant contribution in the field of Public Administration in Canada.

The obverse of the medal which was modeled by the Mint Engraver, bears the effigy of His Excellency, Governor General Georges P. Vanier, surrounded by the bilingual inscription "The Vanier Medal—La Médaille Vanier".

Two reverses were produced for use with this medal; one in English and one in French. The design of the reverse shows a tablet for the engraving of the name of the recipient and the date; above, the inscription "The Institute of Public Administration of Canada"; below, a spray of maple leaves. The French reverse is identical except for the inscription which reads "L'Institut d'Administration publique du Canada". (See Plate I)

Plate II shows The Governor General's Chartered Accountancy Award.

The following medals were struck and issued during 1962:

For His Excellency, Major General Georges P. Vanier, D.S.O., M.C., C.D.—	
Governor General's Medals, Silver, 925 fine (gilded).....	10
Governor General's Medals, Silver, 925 fine (toned).....	80
Governor General's Medals, Tombac (toned).....	225
Governor General's Crests, small, Silver, 925 fine (gilded).....	96
Governor General's Crests, small, Silver, 925 fine.....	24
For Department of Defence Production—	
Canadian Forces Decoration Medals, Tombac.....	6,356
Canadian Forces Decoration Bars, Tombac.....	4,300
For Department of Veterans Affairs—	
1939-45 Stars, Tombac.....	5,000
For Royal Canadian Mounted Police—	
Long Service Medals, Silver, 800 fine.....	172
Stars, Long Service, Silver, 925 fine.....	100
For the Professional Institute of the Public Service of Canada—	
Medals, Gold, 14 kt.....	2
Replicas of Medal, Thin Copper, Gold Plated..... (pairs)	2
For the Royal Society of Canada—	
Flavelle Medal, Gold, 14 kt.....	1
Lorne Pierce Medal, Gold, 14 kt.....	1
Tyrrell Medal, Gold, Fine.....	1



For the Canadian Institute of Chartered Accountants— Chartered Accountancy Award, Gold, 18 kt.....	1
For The Engineering Institute of Canada— Czowski Medal, Gold, 10 kt.....	2
Leonard Medal, Gold, 10 kt.....	1
Plummer Medal, Gold, 10 kt.....	1
Ross Medal, Gold, 10 kt.....	1
Julian C. Smith Medals, Silver, 925 fine.....	2
For The Royal Canadian Geographical Society— The Massey Medal, Silver, 800 fine, with gold finish.....	1
For The Dominion Drama Festival— The Massey Award, Coinage bronze, gold plated.....	1
For The Royal Architectural Institute of Canada— Medals with suspension rings and with the words "Fellow of the Royal Architectural Institute of Canada" on the reverse, Tombac.....	10
Medals without suspension rings and plain reverses, Copper.....	9
For The Institute of Public Administration of Canada— Vanier Medal with wording on reverse in English, Gold, 14 kt.....	1
Vanier Medal with wording on reverse in French, Gold, 14 kt.....	1
For the University of Toronto— International Congress of Mathematicians Medals, Gold, 14 kt.....	2
For The University of British Columbia— Massey Foundation Medals, Tombac, Gold Plated.....	2
For the Department of Transport— Patterson Medals, Silver, 925 fine.....	2
For the Government of Canada— Government Long Service Medals, Silver, 925 fine.....	11
Government Long Service Medal, Tombac.....	1

All the above medals except those for His Excellency, Major General Georges P. Vanier, the Department of Defence Production, the Department of Veterans Affairs, the Department of Transport, the Royal Architectural Institute of Canada and the University of British Columbia were engraved with the name of the recipients.

## PLANT AND EQUIPMENT

The year 1962 was an exceptionally difficult one for the mechanical and electrical sections of the staff, and much credit must be given them for keeping the plant running extremely long hours without major breakdown. At different times during the year some sections of the plant were operating 24 hours a day, some 20 hours a day and most of the remainder 13 hours. The production of nearly four thousand coinage dies, in addition to collars, jigs and fixtures, blanking punches and dies, as well as the general maintenance and repairs, incidental to the production of over 350 million coins and three and a half million ounces of gold was more than sufficient to keep the staff fully occupied on an overtime basis.

One new one hundred and twenty ton coining press was received from the manufacturer Messrs. Taylor and Challen Limited of Birmingham, England and was put into operation in a specially prepared room, mainly on the production of selected coin for sale through the numismatic section.

A new cupel making machine was purchased and installed in the Assay Division. An existing machine was converted for use as a mixer in conjunction with this operation.

During the year, three twenty ton bins and one sixty ton bin were purchased and installed for bulk storage of blanks. These are being used with a number of one ton aluminum tote boxes and automatic feed hoppers, in an attempt to decrease manual labour.

## GENERAL

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by the Auditor General's Department in February.

The Assay Commissioners, Dr. J. A. Dobrowolski and Dr. J. B. Taylor of the National Research Council and Mr. L. G. Ripley of the Department of Mines and Technical Surveys appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the currency of Canada struck at the Royal Canadian Mint during 1961 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge P. J. MacDonald, on the first day of May 1962.

The findings of the Commissioners, at the Trial of the Pyx, show that the weight and fineness of the coins tested were within the remedy as prescribed by law except in the case of one dollar coin and one twenty-five cent coin, the weights of which were respectively 365.35 and 93.17 grains, the same exceeding the remedy allowance in weight by 0.35 and 0.17 grain.

Approximately 50,000 visitors were admitted to view the coining operations of the Mint during the year.

The number on the staff as at 31st December, 1962, was 274. Of this number, 45 were employed in the Administrative and Mint Office Division, 175 in the Coining and Medal Division, 17 in the Assay Division and 37 in the Refinery.

The Honourable Donald M. Fleming, Minister of Finance, announced that the Government would hold a competition to secure a new design for a Canadian silver dollar.

An invitation was extended to artists and sculptors in Canada to submit designs for such a new coin, which is to be issued in 1964, to commemorate the one hundredth anniversary of the 1864 Conferences of the Fathers of Confederation which led up to the Confederation of Canada in 1867.

A Board of Judges was appointed as follows: N. A. Parker, Master of the Mint (Chairman); K. W. Taylor, Deputy Minister of Finance; L. Rasminsky, Governor of the Bank of Canada; Dr. C. F. Comfort, Director of the National Gallery; Dr. W. Kaye Lamb, Dominion Archivist; Marc Cinq-Mars, Architect, Montreal, P.Q.; and H. G. Bugden, Charlottetown, Prince Edward Island. (A description of the new design and the name of the artist will be announced in the 1963 report.)

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, circulation of coin in Canada, statements of coinage and bullion operations for the calendar year 1962, a proclamation changing the form of the five-cent nickel coin, and an amendment to the Gold Bullion Regulations, 1959 are appended herewith.

Respectfully submitted,

N. A. PARKER,

*Master, Royal Canadian Mint.*

## APPENDIX A

Summary of transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931, to December 31, 1962

Year	Gold Received		Gold Issued	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1952.....	131,856,191.727	106,333,522.931	383,319.096	105,804,343.148
1953.....	4,642,410.478	3,684,073.637	—	3,626,496.738
1954.....	4,768,451.365	3,829,430.609	—	3,998,835.566
1955.....	4,878,918.379	3,947,636.509	—	3,952,764.485
1956.....	4,693,484.529	3,801,788.815	—	3,774,599.457
1957.....	4,798,296.343	3,896,083.563	—	3,776,710.677
1958.....	4,868,066.405	3,958,458.747	—	4,088,706.348
1959.....	4,805,493.520	3,908,640.185	—	3,836,679.842
1960.....	4,970,726.079	4,024,625.964	—	4,014,771.105
1961.....	4,745,639.352	3,800,137.419	—	3,812,054.286
1962.....	4,363,972.339	3,488,974.332	—	3,520,405.598
	179,391,650.516	144,673,372.711	383,319.096	144,206,367.250

# APPENDIX B (1) COIN ISSUED IN CANADA

		Silver									
		Dollar	50¢	25¢	20¢	10¢	5¢	Total Silver			
		\$	\$	\$	\$	\$	\$	\$	\$	\$	
1858 to 1907	{ New Brunswick 1861, 2 and 4, Nova Scotia 1861, 2, and 4, Prince Edward Island, 1871. Rest of Canada, 1858-1907 }	Struck in England	—	—	—	60,000	25,000	10,000	95,000		
			—	—	—	—	—	—	—	—	
			—	—	—	—	—	—	—	—	
			—	—	—	—	—	—	—	—	
			—	1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996		
Totals		—	1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996			
Gold											
		Sovereigns		\$10	\$5						
		£	\$	\$	\$						
1908 to 1952	627,834	3,480,380	1,388,070								
1953	—	—	—								
1954	—	—	—								
1955	—	—	—								
1956	—	—	—								
1957	—	—	—								
1958	—	—	—								
1959	—	—	—								
1960	—	—	—								
1961	—	—	—								
1962	—	—	—								
627,834	3,480,380	1,388,070	—	28,174,523.50	76,089,739.25	210,000	47,256,900.00	6,020,802	173,375,943.75		



APPENDIX B (2)  
COIN ISSUED IN CANADA

	Nickel	Tombac	Steel	Bronze
	5¢	5¢	5¢	1¢
	\$	\$	\$	\$
1858 to 1907	—	—	—	—
<div> <div> New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada. 1858 to 1907. </div> </div>	—	—	—	—
Totals.....	7,857,387.00	1,407,824.50	2,281,094.35	859,315
1908 to 1952.....	233.75	—	831,914.75	10,834,060.08
1953.....	27.05	—	350,229.50	655,129.75
1954.....	267,801.00	—	—	263,897.03
1955.....	469,992.70	—	—	566,863.07
1956.....	366,493.10	—	—	786,855.35
1957.....	379,616.00	—	—	1,004,220.54
1958.....	576,680.40	—	—	578,274.13
1959.....	1,735,707.00	—	—	829,116.42
1960.....	2,512,368.65	—	—	748,101.00
1961.....	2,324,211.65	—	—	1,417,543.73
1962.....	—	—	—	2,284,924.80
Totals.....	16,490,518.30	1,407,824.50	3,463,238.60	20,828,300.90
				5,114

# APPENDIX C

## CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER

Year	Silver	Nickel	Timber	Steel	Brass	Total	Per Capita
	\$	\$	\$	\$	\$	\$	\$
1905	10,487,774				791,429	11,279,203	1.85
1910	14,327,662				967,333	15,295,015	2.03
1915	18,588,573				1,212,588	19,801,161	2.51
1920	28,384,850				1,895,783	30,280,633	3.51
1925	27,713,019				2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525			2,297,405	32,354,260	3.17
1935	28,407,168	2,449,378			2,818,341	33,674,787	3.11
1940	36,944,040	4,015,232			4,092,214	45,051,506	3.96
1941	40,339,221	4,467,463			4,648,567	49,455,251	4.30
1942	44,011,038	4,827,596	169,424		5,422,131	54,430,189	4.67
1943	51,009,046	4,826,033	1,407,424		6,300,627	63,543,130	5.39
1944	54,972,812	4,825,057	1,407,754	571,000	6,733,329	68,529,952	5.74
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1946	59,944,549	5,113,103	1,155,791	1,520,849	8,024,547	75,758,839	6.16
1947	61,049,986	5,503,117	868,994	1,520,647	8,382,327	77,325,071	6.16
1948	63,829,640	6,117,555	730,064	1,520,210	9,088,221	81,285,690	6.34
1949	67,874,750	6,753,780	661,333	1,519,743	9,407,325	86,216,931	6.41
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954	91,380,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38
1961	146,902,352	14,110,198	549,021	3,451,708	18,311,853	183,325,132	10.09
1962	162,928,707	16,433,088	549,009	3,450,676	20,595,543	203,957,023	11.06



## APPENDIX D

### ROYAL CANADIAN MINT COINAGE AND BULLION OPERATIONS, 1962

#### GOLD BULLION

	Fine Ounces	Value
Gold on hand, December 31, 1961.....	187,183.672	\$ 6,445,819.33
Gold purchased at various rates.....	2,344,578.661	87,601,188.50
Gain on operations.....	871.967	32,039.06
Adjustment in valuation of gold.....	—	416,618.67
	<hr/>	<hr/>
	2,532,634.300	\$94,495,665.56
Less: Gold sold at various rates.....	2,366,772.775	88,469,605.99
	<hr/>	<hr/>
Balance held at December 31, 1962.....	165,861.525	\$ 6,026,059.57
	<hr/>	<hr/>

#### SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1961.....		\$ 329,572.72
Bullion purchased.....		622,411.89
Treatment charges—Sweep.....		4,324.44
Net gain on operations.....		44,790.52
		<hr/>
		\$ 1,001,099.57
Less: Bullion transferred to Silver Coinage Account.....	\$ 821,955.03	
Bullion sold.....	49,432.23	871,387.26
	<hr/>	<hr/>
Balance, December 31, 1962.....		\$ 129,712.31
		<hr/>

#### SILVER COINAGE ACCOUNT

Balance, December 31, 1961.....	\$ 8,117,009.51
Bullion and Alloy purchased or transferred.....	19,089,438.21
Worn coin purchased (withdrawn for recoinage).....	88,631.65
Net gain on coinage credited to Consolidated Revenue Fund.....	5,952,283.21
	<hr/>
	\$33,247,362.58
Less: Coin sold.....	16,114,239.85
	<hr/>
Balance, December 31, 1962.....	\$17,133,122.73
	<hr/>

#### NICKEL COINAGE ACCOUNT

Balance, December 31, 1961.....	\$ 137,673.48
Metal purchased.....	752,806.01
Mutilated coin purchased.....	1,322.30
Net gain on coinage credited to Consolidated Revenue Fund.....	1,449,676.15
	<hr/>
	\$ 2,341,477.94
Less: Coin sold.....	2,324,211.65
	<hr/>
Balance, December 31, 1962.....	\$ 17,266.29
	<hr/>

## APPENDIX D—*Concluded*

### BRONZE COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1961.....		\$ 143,938.16
Metal purchased.....		890,474.93
Worn coin purchased (withdrawn for recoinage).....		1,246.28
Toll charges on copper residues.....		1,527.94
Net gain on coinage credited to Consolidated Revenue Fund.....		1,670,581.50
		<hr/> \$ 2,707,768.81
Less: Coin sold.....	\$2,284,924.80	
Metal in medals sold.....	250.86	2,285,175.66
		<hr/>
Balance, December 31, 1962.....		\$ 422,593.15
		<hr/> <hr/>

### STEEL COINAGE ACCOUNT

Balance, December 31, 1961.....	\$	748.70
Mutilated coin purchased.....		1,031.55
		<hr/>
	\$	1,780.25
Less: Loss in destruction of coin by melting charged to Consolidated Revenue Fund.....		995.45
		<hr/>
Balance, December 31, 1962.....	\$	784.80
		<hr/> <hr/>

## APPENDIX E

### CURRENCY, MINT AND EXCHANGE FUND ACT— CHANGE IN FORM OF FIVE-CENT NICKEL COIN

GEORGE P. VANIER  
(L.S.)

ELIZABETH THE SECOND, by the Grace of God of the United Kingdom, Canada and Her other Realms and Territories QUEEN, Head of the Commonwealth, Defender of the Faith.

To ALL TO WHOM these Presents shall come or whom the same may in anywise concern,

GREETING:

#### A PROCLAMATION

E. A. DRIEDGER,  
Deputy Attorney General,  
Canada.

WHEREAS in and by section 8 of  
the Currency, Mint and Exchange  
Fund Act, chapter 315 of the

Revised Statutes of Canada, 1952, it is provided that Our Governor in Council may by proclamation prescribe the dimensions and design of any coin.

AND WHEREAS it is desirable and Our Governor in Council has advised that a proclamation do issue prescribing that, effective the 2nd day of January, 1963, the dimension of the five-cent nickel coin shall be a circle with a diameter of .835 inches.

NOW KNOW YE that by and with the advice of Our Privy Council for Canada We do hereby authorize and prescribe that effective the 2nd day of January, 1963, the dimension of the five-cent nickel coin shall be a circle with a diameter of .835 inches.

OF ALL WHICH OUR LOVING Subjects and all others whom these Presents may concern are hereby required to take notice and to govern themselves accordingly.

IN TESTIMONY WHEREOF We have caused these Our Letters to be made Patent and the Great Seal of Canada to be hereunto affixed. WITNESS: Our Trusty and Well-beloved Major-General GEORGE PHILIAS VANIER, Companion of Our Distinguished Service Order upon whom We have conferred Our Military Cross and Our Canadian Forces' Decoration, Governor General and Commander-in-Chief of Canada.

AT OUR GOVERNMENT HOUSE, in Our City of Ottawa, this eighth day of November in the year of Our Lord one thousand nine hundred and sixty-two and in the eleventh year of Our Reign.

By Command,

Jean Miquelon,  
Under Secretary of State.

## APPENDIX F

SOR/62-286

### CURRENCY, MINT AND EXCHANGE FUND ACT

GOLD BULLION REGULATIONS, 1959, AMENDED  
P.C. 1962-1071

AT THE GOVERNMENT HOUSE AT OTTAWA

WEDNESDAY, the 1st day of AUGUST, 1962.

PRESENT:

HIS EXCELLENCY THE GOVERNOR GENERAL IN COUNCIL

His Excellency the Governor General in Council, on the recommendation of the Minister of Finance, pursuant to the Currency, Mint and Exchange Fund Act, is pleased hereby to amend the Gold Bullion Regulations, 1959, made by Order in Council P.C. 1959-100 of 29th January, 1959<sup>(1)</sup>, as amended<sup>(2)</sup>, in accordance with the schedule hereto, effective 2nd August, 1962.

#### SCHEDULE

1. Section 7 of the *Gold Bullion Regulations, 1959* is revoked and the following substituted therefor:

“7. The price payable by the Minister for the silver content of a deposit is the price that is one-quarter of one cent below the average of the official New York daily quotation for fine silver for the days Monday to Friday, inclusive, of the week in which the deposit is delivered to the Master, converted into Canadian funds at the average of the rates of exchange for United States funds reported to the Minister by the Bank of Canada on the days Monday to Friday, inclusive, of that week.”

---

<sup>(1)</sup> SOR/59-40, CANADA GAZETTE PART II, Vol. 93, No. 3, Feb. 11, 1959

<sup>(2)</sup> SOR/61-150, CANADA GAZETTE PART II, Vol. 95, No. 8, April 26, 1961

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CANADA  
///

# ROYAL CANADIAN MINT

## REPORT

For Calendar Year 1963

of the Board of the  
Royal Canadian Mint

Published by authority of Hon. Walter L. Gordon, Minister of Finance





CANADA  
DEPARTMENT OF FINANCE

REPORT  
*of the*  
MASTER OF THE  
ROYAL CANADIAN MINT

*For Calendar Year*  
1963

PUBLISHED BY  
Authority of Hon. Walter L. Gordon,  
Minister of Finance

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1964

Dept. of Finance  
Req. 12-43 P

## PREFACE

The Ottawa Mint, established as a branch of the Royal Mint, London, under the (Imperial) Coinage Act, 1870, and opened January 2, 1908, was by 21-22 Geo. V, ch. 48, constituted a branch of the Department of Finance and by the Proclamation of November 14, 1931, it has since December 1, 1931, operated as the Royal Canadian Mint.

The principal functions of the Mint are the execution of domestic and foreign coin; the refining of gold and silver; the acquisition of gold, silver and other metals, payments for which are made on the basis of Mint assays; the control, preparation and movement of gold and coin shipments; the safeguarding of Mint holdings of monetary metals, including coin and precious metals in various processing stages until finished and issued; the fabrication and engraving of dies for coinage, medals, signatures and official seals; the issue of coin sets to numismatists and the administration of various regulations issued under the terms and provisions of the Currency, Mint and Exchange Fund Act, RS 1952, ch. 315.





## ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
OTTAWA.

Sir:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1963.

### COINAGE

The coinage demands in 1963 continued in the same upward trend as the pattern set during the past few years. In order to meet the increased number of orders from the Bank of Canada, a further expansion in production was necessary. This was accomplished by operating most of the Mint equipment on a 21 hour day basis. A new annual production record of 398,672,366 pieces was subsequently established—an increase of 46,604,572 pieces over 1962. However, the demand for coin was still greater than the supply and the outstanding coin orders at the end of the year stood at 13 million pieces.

Since the present buildings were designed to produce only a hundred million pieces of coin per year, on a one-shift basis, it can readily be understood that the tremendous increase in production was not without its problems. A great deal of planning was necessary by officers of the Mint in order to meet this unprecedented coinage demand. The lack of storage and working space continues to be an acute problem.

More than a little credit must be given to the Mint staff who worked the various shifts and who volunteered to work the necessary overtime. Through their untiring efforts, a new Mint production record of almost 400 million pieces was achieved under increasingly difficult conditions.

Comparative statements of the production and issue of coin, by denominations, for the years 1962 and 1963 and a graph illustrating coinage production during the last ten years are shown hereunder:

#### COINAGE PRODUCTION IN 1962 AND 1963

<i>Canada</i>	<i>1962</i>	<i>1963</i>
Denomination—Metallic Composition.....	Pieces	Pieces
<i>Silver</i>		
1 dollar—800 parts silver, 200 parts copper.....	1,884,789	4,179,981
50 cents —800 parts silver, 200 parts copper.....	5,208,030	8,348,871
25 cents —800 parts silver, 200 parts copper.....	29,559,266	21,180,652
10 cents —800 parts silver, 200 parts copper.....	41,864,335	41,916,208
<i>Nickel</i>		
5 cents —pure nickel.....	46,307,305	43,970,320
<i>Bronze</i>		
1 cent —98% copper, 2% tin and zinc.....	227,244,069	279,076,334
	352,067,794	398,672,366

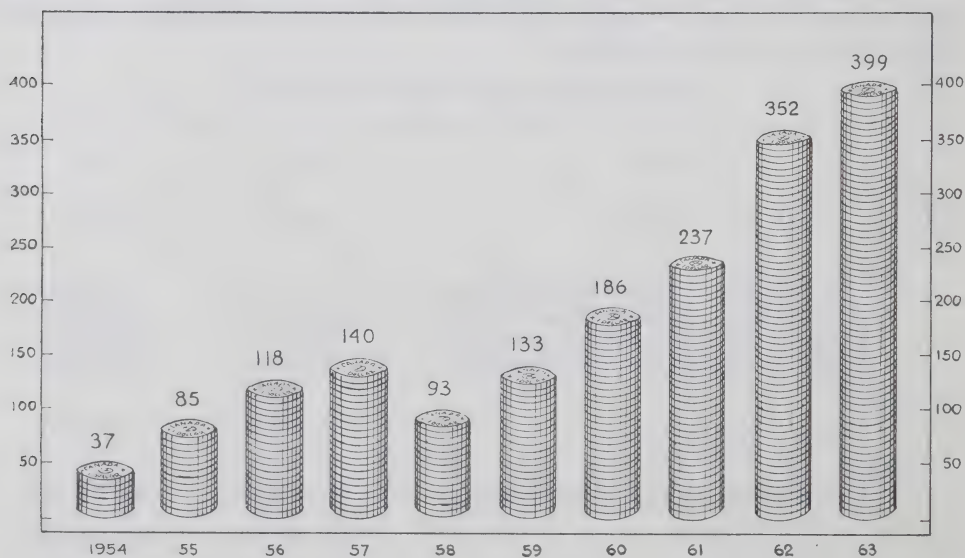
The above coinage for 1963 consists of 367 tons of silver, 1,068 tons of copper, 220 tons of nickel and 20 tons of zinc and tin.

The production of dollar pieces showed an increase of 122%, that of fifty cent pieces an increase of 57% and that of one cent pieces an increase of 23% as compared to production figures of 1962.

#### COINAGE ISSUE IN 1962 AND 1963

<i>Canada</i>	<i>1962</i>	<i>1963</i>
Denomination	\$	\$
<i>Silver Coin—</i>		
1 dollar.....	1,894,092.00	4,137,141.00
50 cents.....	2,624,001.50	4,173,749.50
25 cents.....	7,392,098.75	5,201,066.50
10 cents.....	4,204,047.60	4,176,711.50
Total Silver.....	16,114,239.85	17,688,668.50
<i>Nickel Coin—</i>		
5 cents.....	2,324,211.65	2,196,217.20
<i>Bronze Coin—</i>		
1 cent.....	2,284,924.80	2,790,679.21
Total.....	20,723,376.30	22,675,564.91
Representing.....	Number of Pieces	
Total.....	353,727,679	398,048,286

#### COINAGE PRODUCED (MILLIONS OF PIECES)



### Worn and mutilated coin withdrawn from circulation:

	<i>Withdrawn</i>	<i>Net Increase in Circulation</i>
	\$	\$
Silver Coin.....	124,403.85	17,564,264.65
Nickel Coin—5 cents (mutilated only).....	1,617.65	2,194,599.55
Tombac Coin—5 cents.....	9.55	.....
Steel Coin—5 cents.....	1,199.60	.....
Bronze Coin.....	2,434.74	2,788,244.47

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

<i>Agency</i>	<i>Silver</i>				<i>Nickel</i>	<i>Bronze</i>
	<i>Dollar</i>	<i>50 Cents</i>	<i>25 Cents</i>	<i>10 Cents</i>	<i>5 Cents</i>	<i>1 Cent</i>
	\$	\$	\$	\$	\$	\$
Calgary.....	240,000.00	360,000.00	574,000.00	275,000.00	220,200.00	181,500.00
Charlottetown.....	.....	4,000.00	.....	2,000.00	300.00	1,260.00
Halifax.....	90,000.00	100,000.00	245,000.00	200,000.00	60,600.00	85,500.00
Montreal.....	786,000.00	281,000.00	1,552,000.00	990,000.00	554,100.00	680,820.00
Ottawa.....	322,606.00	176,231.50	246,812.50	365,409.90	133,500.00	147,900.00
Regina.....	100,000.00	120,000.00	479,000.00	235,000.00	106,500.00	140,100.00
Saint John, N.B.....	50,000.00	90,000.00	256,000.00	105,000.00	45,900.00	53,100.00
St. John's, Nfld.....	5,000.00	105,000.00	25,000.00	37,000.00	29,400.00	30,240.00
Toronto.....	1,095,000.00	1,986,000.00	921,000.00	1,202,000.00	653,700.00	1,031,520.00
Vancouver.....	210,000.00	465,000.00	366,000.00	448,000.00	218,100.00	276,000.00
Winnipeg.....	275,000.00	150,000.00	368,000.00	250,000.00	140,100.00	156,000.00
Sundry Persons.....	963,535.00	336,518.00	168,254.00	67,301.60	33,817.20	6,739.21
Totals.....	4,137,141.00	4,173,749.50	5,201,066.50	4,176,711.50	2,196,217.20	2,790,679.21

### NUMISMATIC SECTION

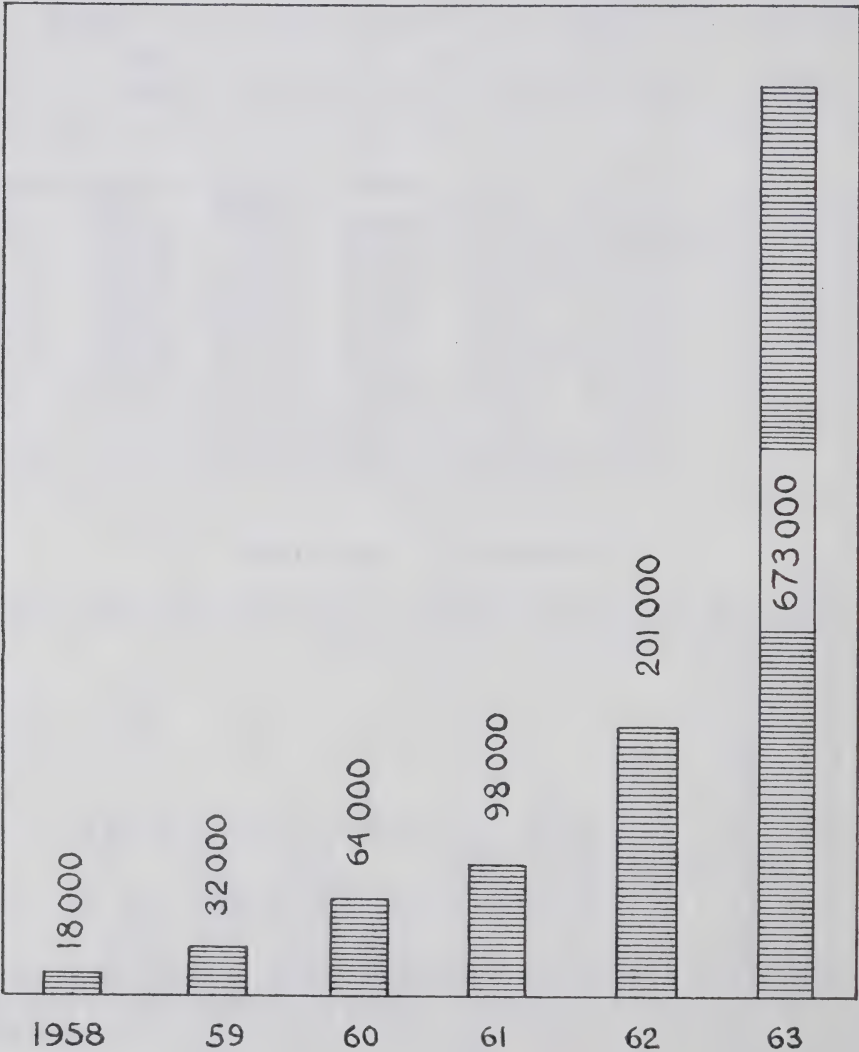
The following table shows the distribution of uncirculated coin issued to Sundry Persons by the Numismatic Section for the year 1963:

	<i>Silver</i>				<i>Nickel</i>	<i>Bronze</i>
	<i>Dollar</i>	<i>50 Cents</i>	<i>25 Cents</i>	<i>10 Cents</i>	<i>5 Cents</i>	<i>1 Cent</i>
	\$	\$	\$	\$	\$	\$
Issued in Mint sets.....	673,006.00	336,503.00	168,251.50	67,300.60	33,650.30	6,730.06
Issued separately.....	290,529.00	15.00	2.50	1.00	166.90	9.15
Totals.....	963,535.00	336,518.00	168,254.00	67,301.60	33,817.20	6,739.21

The sale of 673,006 sets and 290,529 silver dollars represents an increase of 472,056 sets or 235% and an increase of 242,938 silver dollars or 510% over 1962. This clearly reflects an accelerated demand for uncirculated coin from both domestic and foreign sources.

To contend with the increased uncirculated coin demand, the Numismatic Section facilities were enlarged considerably by the acquisition of more space. It was also necessary to hire extra staff on both a temporary and permanent basis. Partial mechanization of shipping operations was achieved during the latter part of the year by the purchase of a machine designed to insert each coin set, together with relative enclosures, into its protective envelope. The foregoing changes and the use of extensive overtime enabled this section to complete all 1963 uncirculated coin orders during the current calendar year. The following chart illustrates the trend in uncirculated coin set issues during the last six years.

UNCIRCULATED COIN ISSUES (SETS)





The details of the weights of silver bullion, bronze and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized in the following table:

<i>Canada</i>	<i>Bars Cast</i>	<i>Bars Rolled</i>	<i>Blanks Cut</i>	<i>Good Coin Produced</i>
	Ounces	Ounces	Ounces	Ounces
Denomination				
<i>Silver</i> , 800 fine—				
1 dollar.....	28,333,661.74	27,241,827.62	4,520,387.75	3,135,552.59
50 cents.....			3,554,404.75	3,136,799.49
25 cents.....			4,216,489.96	3,980,529.30
10 cents.....			3,088,820.00	3,152,246.46
Total Silver.....	28,333,661.74	27,241,827.62	15,380,102.46	13,405,127.84
	Pounds	Pounds	Pounds	Pounds
<i>Nickel</i> —				
5 cents.....			<sup>b</sup> 458,185.73	440,681.10
<i>Bronze</i> —		<sup>a</sup> 158,364.00		
1 cent.....	2,963,940.50	2,825,729.60	1,936,835.88	1,993,105.17
	Short Tons	Short Tons	Short Tons	Short Tons
	2,453.4	2,346.8	1,724.8	1,676.5
		Does Not Include <sup>a</sup>		

<sup>a</sup>Bronze strip purchased  
<sup>b</sup>Nickel blanks purchased

In addition to 2,453 tons of coinage bars produced during the year, there were 85,187 ounces of worn and mutilated Canadian silver coins, which had been withdrawn from circulation, cast into 1,000-ounce ingots for assaying and conversion to 800 standard coinage bars. One thousand four hundred and eighty-two pounds of worn bronze coin were melted into one-cent coinage bars.

Sixty-three ounces of gold proof plate; 144 ounces of silver proof plate; 4,741 ounces of silver discs and 2,135 ounces of copper discs were produced for use in the Assay Division.

Three thousand three hundred and ninety-seven ounces of fine gold cathodes were rolled for use in the electrolysis plant of the Refinery Division.

The mean finenesses of the Silver Coinage struck in 1963 were as follows:

<i>Denomination</i>	<i>Standard</i>	<i>Mean Fineness</i>
1 dollar.....	800.00	799.08
50 cents.....	800.00	799.25
25 cents.....	800.00	799.14
10 cents.....	800.00	799.37



Samples from 445,504.02 pounds of nickel blanks were assayed and found to satisfy Mint specifications.

Six suspected counterfeit coins were received from the Royal Canadian Mounted Police and sundry individuals. Of these coins, five were found to be counterfeit 50c pieces.

Gold Trial Plate, sold for assay purposes, amounted to 2.105 ounces fine.

## GOLD BULLION

Five thousand four hundred and twenty-one deposits of gold bullion were received during the year from Canadian Mining Companies and Sundry Persons. The composition of the deposits was as follows:

### *Fine Gold—*

256 deposits weighing 256,727.564 ounces with a mean fineness of 997.187

### *Crude Bullion—*

3,684 deposits weighing 2,978,889.969 ounces with an average fineness of 802.945 gold, 126.545 silver, and containing 7.051% base metal

### *Scrap (Jewellery and Dental)*

188 deposits, 11,393.830 ounces of an average fineness of 464.560 gold and 89.749 silver

### *Gold for Storage—*

1,293 deposits weighing 1,084,241.010 ounces with an average fineness of 751.849 gold and 135.881 silver

The net value paid to depositors was \$100,054,664.30. In addition the amount of fine gold issued to depositors was 815,032.270 ounces.

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	<i>Ounces Fine</i>
6,621 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	2,644,703.576
Depositors—granulated and bars.....	815,032.270
Sales of fine gold.....	19.264
Trial Plate for assay purposes.....	6.170
Medals, etc.....	15.442
Sweep.....	7,777.437
	3,467,554.159

This total shows a decrease of 52,851.439 ounces fine issued as compared with the year 1962.

## Comparative statement showing details of gold deposits received for 1962 and 1963.

	Number of Deposits Received				Gross Ounces			
	1962	1963	Increase	Decrease	1962	1963	Increase	Decrease
Sale to Her Majesty.....	3,525	3,940	415	.....	2,875,031	3,224,340	349,309	.....
For Storage.....	1,708	1,293	.....	415	1,477,010	1,084,241	.....	392,769
Jewellery and Miscellaneous.....	209	188	.....	21	11,931	11,394	.....	537
Total Received.....	5,442	5,421	.....	21	4,363,972	4,319,975	.....	43,997
<i>Fine Gold Ounces</i>								
	Fine Gold Ounces				Fine Silver Ounces			
	1962	1963	Increase	Decrease	1962	1963	Increase	Decrease
Sale to Her Majesty.....	2,338,971	2,647,890	308,919	.....	541,433	525,314	.....	16,119
For Storage.....	1,144,396	803,909	.....	340,487	.....	.....	.....	.....
Jewellery and Miscellaneous.....	5,607	5,293	.....	314	.....	.....	.....	.....
Total Received.....	3,488,974	3,457,092	.....	31,882	541,433	525,314	.....	16,119

Details of origin of the bullion deposited for sale to Her Majesty and for storing during the year 1963 are shown in the following table:

<i>From Canadian Mines and Refineries</i>	<i>Sale to Her Majesty</i>		<i>Gold Storage</i>		<i>Total</i>		<i>Total Fine Silver</i>
	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Gross Weight</i>	<i>Fine Gold</i>	
	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	
Ontario.....	2,264,735.530	1,876,520.300	502,141.090	431,775.175	2,766,876.620	2,308,295.475	262,907.24
Quebec.....	663,076.160	523,079.415	60,578.390	13,847.728	723,654.550	536,927.143	143,701.01
British Columbia.....	138,852.760	112,404.913	10,035.150	9,535.666	148,887.910	121,940.579	21,037.68
Manitoba.....	33,821.350	24,250.886	.....	.....	33,821.350	24,250.886	4,054.57
Yukon Territory.....	68,057.980	54,878.656	.....	.....	68,057.980	54,878.656	11,104.24
North West Territories.....	55,639.000	45,346.995	511,486.380	360,027.213	567,125.380	405,374.208	81,474.59
Alberta.....	157.740	131.571	.....	.....	157.740	131.571	11.99
Total from Canadian Mines and Re- fineries.....	3,224,340.520	2,636,612.736	1,084,241.010	815,185.782	4,308,581.550	3,451,798.518	524,291.32
From Jewellery and Miscellaneous.....	11,393.830	5,293.121	.....	.....	11,393.830	5,293.121	1,022.59
Total.....	3,235,734.350	2,641,905.857	1,084,241.010	815,185.782	4,319,975.360	3,457,091.639	525,313.91
Fine Gold released by Mines from Gold Storage for sale to Her Majesty.....	.....	11,277.013	.....	11,277.013	.....	.....	.....
	3,235,734.350	2,653,182.870	1,084,241.010	803,908.769	4,319,975.360	3,457,091.639	525,313.91

The following table gives details of fine bullion produced during the year:

<i>Produced</i>	<i>Number</i>	<i>Gross Weight</i>	<i>Fine Weight</i>	<i>Average Assay</i>
		Ounces	Ounces	
Fine Gold Bars.....	6,698	2,681,915.400	2,675,482.969	997.6
Granulated Gold.....		1,959.190	1,958.945	999.9
Fine Silver Bars.....	468	513,355.75	513,247.62	999.8
Granulated Silver.....		4,902.65	4,901.57	999.8
Gold Trial Plate.....			6.170	.....
Finishing and Plating Medals.....			.272	.....
Storage—Gold Bars.....	1,733	693,545.378	691,836.678	997.5
Granulated Gold.....		75,247.110	75,239.145	999.9
Special Bars—Gold.....	3		15.679	.....
Special Bars—Silver.....	4		133.70	.....
Sweeps Sold—Gold.....			7,777.437	.....
Sweeps Sold—Silver.....			44,514.98	.....

<i>Special Processes</i>	<i>Number</i>	<i>Gross Weight</i>
		Ounces
Remelts.....	160	88,095.730
Toughenings.....	6	2,104.560
		Pounds
		Avoirdupois
Chloride Reduction.....	.....	75,700.0
Sweeps.....	.....	86,485.0

Details of the assays, etc., made during the year are shown hereunder:

<i>Gold—</i>		
Refinages.....	5,537	
Rough Gold.....	31,820	
Proofs.....	3,118	
Parting Proofs.....	765	
Parting Buttons.....	11,112	
Miscellaneous.....	736	
		53,088
<i>Silver—</i>		
Standard Bars.....	12,317	
Pyx.....	3,472	
Proofs.....	622	
Fine Silver.....	2,859	
Miscellaneous.....	645	
		19,915
<i>Miscellaneous—</i>		
For the Marking Act Inspector.....	21	
Mint Residues (sweeps, etc.).....	360	
		381
		73,384

NOTES—Eighteen medals and two sets of replicas were gold plated. One working gold trial plate was made and fixed, also one new silver trial plate.

## GOLD STORAGE

During the year nine mines deposited gold bullion at the Mint under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for storage.

The fine gold content of the bullion deposited under this heading during 1963 amounted to 803,908.769 ounces. Fine bullion amounting to 811,774.023 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## MEDALS, DIES AND SEALS

One thousand seven hundred and seventy-two ounces of sterling silver bars were cast, mainly for use in the Governor General's Medals.

Three thousand five hundred and seventy-six pounds of tombac bars were cast for use in the Governor General's Medals, Canadian Forces Decoration Medals, Campaign Stars and other miscellaneous medals.

The model for the reverse of the 1964 commemorative silver dollar was made by the Mint Engraver from drawings submitted by the artist. The master punch was then cut on the three dimensional pantograph.

The following medals were struck and issued during 1963:

For His Excellency, General The Right Honourable Georges P. Vanier,  
D.S.O., M.C., C.D.—

Governor General's Medals, Silver, 925 fine (gilded).....	8
Governor General's Medals, Silver, 925 fine.....	80
Governor General's Medals, Tombac.....	262

For Department of Defence Production—

Canadian Forces Decoration Medals, Tombac.....	8,350
Canadian Forces Decoration Bars, Tombac.....	1,500

For Department of Veterans Affairs—

1939-45 Stars, Tombac.....	2,500
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For Royal Canadian Mounted Police—

Long Service Medals, Silver, 800 fine.....	56
Stars, Long Service, Silver, 923.4 fine.....	190

For the Professional Institute of the Public Service of Canada—

Medals, Gold, 14 kt., (gilded).....	2
Replicas of Medal, Thin Copper, Gold Plated.....(pairs)	2

For The Royal Society of Canada—

Flavelle Medal, Gold, 14 kt., (gilded).....	1
Miller Medal, Gold, 18 kt., (gilded).....	1
Tyrrell Medal, Gold, Fine.....	1
Tory Medal, Gold, 18 kt., (gilded).....	1
Pierce Medal, Gold, 14 kt., (gilded).....	1

For the Canadian Institute of Chartered Accountants—

Chartered Accountancy Award, Gold, 18 kt.....	1
-----------------------------------------------	---

For The Engineering Institute of Canada—

Gzowski Medal, Gold, 10 kt.....	1
Leonard Medal, Gold, 10 kt.....	1
Plummer Medal, Gold, 10 kt.....	1



For the Engineering Institute of Canada— <i>Concluded</i>	
Ross Medal, Gold, 10 kt.....	1
Julian C. Smith Medals, Silver, 925 fine.....	2
Sir John Kennedy Medal, Silver, 925 fine.....	1
For The Royal Canadian Geographical Society—	
The Massey Medal, Silver, 800 fine, with gold finish.....	1
For The Royal Architectural Institute of Canada—	
Medals with suspension rings and with the words "Fellow of the Royal Architectural Institute of Canada" on the reverse, Tombac.....	24
Medals without suspension rings and plain reverses, Copper.....	6
For The Institute of Public Administration of Canada—	
Vanier Medal with wording on reverse in English, Gold, 14 kt.....	1
For the Department of Transport—	
Patterson Medal, Silver, 925 fine.....	1
For the Government of Canada—	
Government Long Service Medals, Silver, 925 fine (English).....	4
Government Long Service Medals, Silver, 925 fine (French).....	1

All the above medals except those for His Excellency, General The Right Honourable Georges P. Vanier, Department of Defence Production, Department of Veterans Affairs, and The Royal Architectural Institute of Canada were engraved with the name of the recipients.

An illustration of the Government of Canada Long Service Award appears on Plate 1.

## PLANT AND EQUIPMENT

This was an exceptionally difficult year for the Engineering Division of the Mint. Continuous plant operations taxed coinage equipment to the utmost and it became necessary to institute an increased maintenance program to forestall major breakdowns.

A new high-speed press purchased from Taylor and Challen, Ltd., Birmingham, England was put into coinage operation replacing a slower model which was transferred to uncirculated coin production.

To provide accommodation for six new coining presses, which were ordered during 1963, the basement in the new wing of the Coining and Metal Division was converted into a second press room by the partial relocation of equipment and by the sound proofing of walls and ceiling. The first two of these six presses arrived just before the end of the year.

Additional coin blank annealing, cleaning and drying equipment (of a type similar to that already in use) was put into operation. The furnace is the rotary type manufactured by the W. S. Rockwell Company and the cleaning and drying unit is manufactured by N. Ransohoff Ltd.

A cylindrical grinder was added to the Machine Shop equipment. This machine will decrease work congestion in the grinding operation of dies, punches, collars, etc.

The installation of the foregoing machinery, in addition to the day to day maintenance and the production of coining dies and collars, medal dies and tools, blanking punches and dies, fully occupied the mechanical and electrical staff on an overtime basis for most of the year.



## GENERAL

The Board of Judges, who were appointed to choose a reverse design for a dollar coin to commemorate the one hundredth anniversary of the 1864 Conferences of the Fathers of Confederation, selected the design submitted by Mr. Dinko Vodanovic of Montreal from amongst some 168 others. A description of the winning design is contained in Appendix E. Mr. Vodanovic was presented with the first prize of \$1,000.00 by the Honourable George C. Nowlan who was then Minister of Finance.

Four other prizes of \$250.00 each were awarded for the four designs receiving honourable mention. The winners were: H. D. Voss, Cooksville, Ontario; Elmer Smutny, Montreal, P.Q.; Augusts A. Kopmanis, Toronto, Ontario; and E. H. Ellwand, Deschenes, P.Q.

Fifty-six thousand visitors were admitted to view the coining operations of the Mint during the year.

The Assay Commissioners, Dr. H. Brown and Dr. D. M. Wiles of the National Research Council and Mr. L. G. Ripley of the Department of Mines and Technical Surveys appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the currency of Canada struck at the Royal Canadian Mint during 1962 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge P. J. MacDonald, on the seventh day of May 1963. The findings of the Commissioners, at the Trial of the Pyx, show that the weight and fineness of the coins tested were within the remedy as prescribed by law.

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by the Auditor General's Department in February.

On the 31st of December, 1963, the number of personnel on strength at the Mint was 278. Of this number, 48 were employed in the Administrative and Mint Office, 176 in the Coining and Medal Division, 17 in the Assay Division and 37 in the Refinery.

During the past year, several employees retired on pension. The most outstanding was Edwin V. MURRAY, Chief Administrative Officer, who retired upon reaching the age of 70 years, following a distinguished career covering close to 54 years of Mint service.

Others were: Charles W. ELLIS, Accounting Officer, retiring at the age of 66 years, after 42 years of service; Alfred M. MERRITT, Production Foreman, at the age of 65 years, with over 48½ years of service; William S. GRAHAM, Machinist, at the age of 60 years, with 24 years; William HOUGHTON, Mint Craftsman, at 62 years with 23½ years and Lionel LAFORTUNE, Confidential Messenger at 61 years, with 44 years of Mint service.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, circulation of coin in Canada, statements of coinage and bullion operations for the calendar year 1963, and a proclamation prescribing a change in the design of the reverse of the dollar coin are appended herewith.

Respectfully submitted,

N. A. PARKER

*Master, Royal Canadian Mint.*

## APPENDIX A

Summary of transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931, to December 31, 1963.

Year	Gold Received		Gold Issued	
	Gross Weight	Fine Gold	Coin	Bullion
	Ounces	Ounces	Ounces Fine	Ounces Fine
1908 to 1953.....	136,498,602.205	110,017,596.568	383,319.096	109,430,839.886
1954.....	4,768,451.365	3,829,430.609	.....	3,998,835.566
1955.....	4,878,918.379	3,947,636.509	.....	3,952,764.485
1956.....	4,693,484.529	3,801,788.815	.....	3,774,599.457
1957.....	4,798,296.343	3,896,083.563	.....	3,776,710.677
1958.....	4,868,066.405	3,958,458.747	.....	4,088,706.348
1959.....	4,805,493.520	3,908,640.185	.....	3,836,679.842
1960.....	4,970,726.079	4,024,625.964	.....	4,014,771.105
1961.....	4,745,639.352	3,800,137.419	.....	3,812,054.286
1962.....	4,363,972.339	3,488,974.332	.....	3,520,405.598
1963.....	4,319,975.360	3,457,091.639	.....	3,467,554.159
	183,711,625.876	148,130,464.350	383,319.096	147,673,921.409

APPENDIX B (1)  
COIN ISSUED IN CANADA

		Silver						
		Dollar	50c	25c	20c	10c	5c	Total Silver
		\$	\$	\$	\$	\$	\$	\$
1858 to 1907	{ New Brunswick, 1861, 2 and 4. Nova Scotia, 1861, 2 and 4. Prince Edward Island, 1871. Rest of Canada, 1858-1907. }	.....	.....	.....	60,000	25,000	10,000	95,000
		.....	.....	.....	.....	.....	.....	.....
		.....	.....	.....	.....	.....	.....	.....
		.....	.....	.....	.....	.....	.....	.....
		.....	1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996
Totals.....		.....	1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996
Gold								
		Sovereigns		\$10		\$5		
		£	\$	\$	\$			
1908 to 1953.....	627,834	3,480,380	1,388,070					
1954.....	262,494	330,450.50	752,021.25			24,710,655.70	3,084,802	86,896,541.70
1955.....	274,810	376,755.50	2,388,126.25			520,002.30		1,864,968.05
1956.....	209,092	689,749.50	2,817,338.25			1,229,464.90		4,269,156.65
1957.....	496,389	1,085,844.50	3,091,000.25			1,673,284.40		5,389,464.15
1958.....	3,039,564	1,478,600.00	2,435,758.25			1,563,195.20		6,236,428.95
1959.....	1,436,160	1,547,330.50	3,311,905.00			1,090,830.60		8,044,752.85
1960.....	1,427,894	1,744,918.50	5,757,025.00			1,978,168.00		8,273,563.50
1961.....	1,252,928	1,772,222.00	4,554,593.25			4,502,414.00		13,432,251.50
1962.....	1,894,092	2,624,001.50	7,392,098.75			2,719,837.30		10,299,580.55
1963.....	4,137,141	4,173,749.50	5,201,066.50			4,204,047.60		16,114,239.85
627,834	19,761,120	32,348,273.00	81,290,805.75	210,000	51,433,611.50	6,020,802		17,688,668.50
								191,064,612.25

$74813-3\frac{1}{2}$ 

## 19

1908 to 1953..

# APPENDIX C

## CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER

Year	Silver	Nickel	Tobac	Steel	Bronze	Total	Per Capita
	\$	\$	\$	\$	\$	\$	\$
1905.....	10,487,774	.....	.....	.....	791,429	11,279,203	1.85
1910.....	14,327,662	.....	.....	.....	967,553	15,295,015	2.03
1915.....	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920.....	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925.....	27,713,019	.....	.....	.....	2,020,470	29,733,489	3.20
1930.....	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1935.....	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1940.....	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1945.....	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1950.....	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951.....	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952.....	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953.....	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954.....	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955.....	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956.....	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957.....	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958.....	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959.....	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960.....	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38
1961.....	146,902,352	14,110,198	549,021	3,451,708	18,311,853	183,325,132	10.09
1962.....	162,928,707	16,433,088	549,009	3,450,676	20,595,543	203,957,023	11.06
1963.....	180,492,972	18,627,687	548,999	3,449,476	23,383,788	226,502,922	11.91



## APPENDIX D

### ROYAL CANADIAN MINT COINAGE AND BULLION OPERATIONS, 1963

#### GOLD BULLION

	Fine Ounces	Value
Gold on hand, December 31, 1962.....	165,861.525	\$ 6,026,059.57
Gold purchased at various rates.....	2,653,182.870	100,142,940.72
Gain on operations.....	1,614.000	60,843.26
Adjustment in valuation of gold.....		217,988.01
	<hr/>	<hr/>
	2,820,658.395	\$106,447,831.56
Less: Gold sold at various rates.....	2,655,780.136	100,232,769.81
	<hr/>	<hr/>
Balance held at December 31, 1963.....	164,878.259	\$ 6,215,061.75

#### SILVER BULLION PURCHASE ACCOUNT

	Value	Value
Balance, December 31, 1962.....		\$ 129,712.31
Bullion purchased.....		723,825.70
Treatment charges—Sweep.....		2,104.09
Net gain on operations.....		42,779.00
		<hr/>
		\$ 898,421.10
Less: Bullion transferred to Silver Coinage Account.....	\$ 481,683.01	
Bullion sold.....	62,237.82	543,920.83
	<hr/>	<hr/>
Balance, December 31, 1963.....		\$ 354,500.27

#### SILVER COINAGE ACCOUNT

Balance, December 31, 1962.....	\$ 17,133,122.73
Bullion and Alloy purchased or transferred.....	16,036,730.49
Worn coin purchased (withdrawn for recoinage).....	124,766.80
Net gain on coinage credited to Consolidated Revenue Fund....	5,048,155.00
	<hr/>
	\$ 38,342,775.02
Less: Coin sold.....	17,688,668.50
	<hr/>
Balance, December 31, 1963.....	\$ 20,654,106.52

#### NICKEL COINAGE ACCOUNT

Balance, December 31, 1962.....	\$ 17,266.29
Metal purchased.....	814,745.08
Multilated coin purchased.....	1,617.65
Net gain on coinage credited to Consolidated Revenue Fund....	1,413,638.14
	<hr/>
	\$ 2,247,267.16
Less: Coin sold.....	\$2,196,217.20
Brockages sold.....	17,486.52
	<hr/>
Balance, December 31, 1963.....	\$ 33,563.44



## APPENDIX D—*Concluded*

### BRONZE COINAGE ACCOUNT

	Value	Value
Balance, December 31, 1962.....		\$ 422,593.15
Metal purchased.....		616,047.64
Worn coin purchased (withdrawn for recoinage).....		2,444.36
Toll charges on copper residues.....		657.86
Net gain on coinage credited to Consolidated Revenue Fund....		1,963,035.46
		<hr/> \$ 3,004,778.47
Less: Coin sold.....	\$2,790,679.21	
Metal in medals sold.....	245.88	
Transferred for alloy.....	24,476.90	2,815,401.99
	<hr/>	
Balance, December 31, 1963.....		\$ 189,376.48

### STEEL COINAGE ACCOUNT

Balance, December 31, 1962.....	\$ 784.80
Mutilated coin purchased.....	1,199.60
	<hr/>
	\$ 1,984.40
Less: Loss in destruction of coin by melting charged to Consolidated Revenue Fund.....	1,312.15
	<hr/>
Balance, December 31, 1963.....	\$ 672.25

## APPENDIX E

GEORGE P. VANIER  
(L.S.)

### CANADA

ELIZABETH THE SECOND, by the Grace of God of the United Kingdom, Canada and Her other Realms and Territories QUEEN, Head of the Commonwealth, Defender of the Faith.

To ALL TO WHOM these Presents shall come or whom the same may in anywise concern,

GREETING:

### A PROCLAMATION

E. A. DRIEDGER, } WHEREAS in and by section eight of the Currency,  
Deputy Attorney General, } Mint and Exchange Fund Act, chapter 315 of the  
Canada. } Revised Statutes of Canada, 1952, it is provided that  
Our Governor in Council may by proclamation prescribe the design of any coin.

AND WHEREAS it is desirable and Our Governor in Council has advised that a proclamation do issue prescribing the design of a one dollar coin to be struck during the year 1964 in commemoration of the one hundredth anniversary of the Conferences at Charlottetown and Quebec of the Fathers of Confederation.

NOW KNOW YE that by and with the advice of Our Privy Council for Canada We do hereby proclaim, direct and determine that the design of the proposed new silver dollar shall be as hereinafter set out, viz:—

The design of the obverse impression to be the uncrowned effigy of Her Majesty Queen Elizabeth the Second with the inscription “ELIZABETH II DEI GRATIA REGINA”;

and

The design of the reverse impression to depict, conjoined within a circle, the French Fleur-de-lis, the Irish Shamrock, the Scottish Thistle and the English Rose surrounded by the names “CHARLOTTETOWN” and “QUEBEC”; the whole enclosed by the words “CANADA” above, “DOLLAR” below and the figures “1864” at the left and “1964” at the right, together with a graining upon the edge of the coin.

OF ALL WHICH Our Loving Subjects and all others whom these Presents may concern are hereby required to take notice and to govern themselves accordingly.

IN TESTIMONY WHEREOF We have caused these Our Letters to be made Patent and the Great Seal of Canada to be hereunto affixed. WITNESS: Our Trusty and Well-beloved Major-General GEORGE PHILIAS VANIER, Companion of Our Distinguished Service Order upon whom We have conferred Our Military Cross and Our Canadian Forces’ Decoration, Governor General and Commander-in-Chief of Canada.

AT OUR GOVERNMENT HOUSE, in Our City of Ottawa, this twenty-fifth day of January in the year of Our Lord one thousand nine hundred and sixty-three and in the eleventh year of Our Reign.

By Command,

JEAN MIQUELON,  
Under Secretary of State.

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PLATE I



(ACTUAL SIZE 2.262" dia.)









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GEORGE-P. VANIER  
(L.S.)

CANADA

ELISABETH DEUX, par la Grâce de Dieu, REINE du Royaume-Uni, du Canada et de ses autres royaumes et territoires, Chef du Commonwealth, Défenseur de la Foi.  
A TOUS CEUX A QUI LES PRÉSENTES PARVIENDRONT OU QU'ELLES POURRONT DE QUELQUE MANIÈRE CONCERNER,—SALUT:

PROCLAMATION

E. A. DRIEDGER, *Sous-procureur général,* Canada. }  
Vu l'article huit de la Loi sur la monnaie, l'Hôtel des monnaies et le fonds des changes, chapitre 315 des Statuts révisés du Canada, 1952, lequel article stipule que Notre Gouverneur en conseil peut, par proclamation, prescrire le dessin d'une pièce quelconque;

Vu l'opportunité et le fait que Notre Gouverneur en conseil a recommandé de lancer une proclamation prescrivant le dessin d'une pièce d'un dollar devant être frappée au cours de l'année 1964 pour commémorer le centenaire des Conférences des Pères de la Confédération tenues à Charlottetown et à Québec:

SACHEZ DONC MAINTENANT que de et par l'avis de Notre Conseil privé pour le Canada Nous proclamons, ordonnons et déterminons par les présentes que le dessin du nouveau dollar en argent proposé sera de la manière énoncée ci-dessous, savoir: Le dessin pour impression sur l'avvers sera l'effigie non couronnée de Sa Majesté la Reine Elisabeth Deux, avec l'inscription «ELIZABETH II DEI GRATIA REGINA»; et

Le dessin pour impression sur le revers représentera réunis dans un cercle, la fleur de lis de France, le trèfle de l'Irlande, le chardon de l'Ecosse et la rose de l'Angleterre, entourés des noms «CHARLOTTETOWN» et «QUÉBEC»; le tout encerclé par les mots «CANADA» au-dessus et «DOLLAR» au-dessous ainsi que par les chiffres «1864» à gauche et «1964» à droite, avec grènetis sur la tranche de la pièce.

DE CE QUI PRÉCÈDE, Nos féaux sujets et tous ceux que les présentes peuvent concerner sont par les présentes requis de prendre connaissance et d'agir en conséquence.

EN FOI DE QUOI, Nous avons fait émettre Nos présentes Lettres Patentes et à icelles fait apposer le Grand Sceau du Canada. TÈMOIN: Notre fidèle et bien-aimé major-général GEORGE-PHILIAS VANIER, Compagnon, de Notre Ordre du Service Distingué, à qui Nous avons décerné Notre Croix Militaire et Notre Décoration des forces canadiennes, Gouverneur général et Commandant en chef du Canada. EN NOTRE HÔTEL DU GOUVERNEMENT, en Notre Ville d'Ottawa, ce vingt-cinquième jour de janvier en l'an de grâce mil neuf cent soixante-trois, le onzième de Notre Règne.

Par ordre,  
Le Sous-secrétaire d'Etat,  
JEAN MIQUELON.

# APPENDICE D—Fin

## COMPTE DE FRAPPE DE MONNAIE D'ARGENT—Fin

Valeur

Moins: Monnaies vendues..... \$2,196,217.20

Pièces défectueuses vendues..... 17,486.52

Solde au 31 décembre 1963..... \$ 33,563.44

## COMPTE DE FRAPPE DE MONNAIE DE BRONZE

Solde au 31 décembre 1963..... \$ 422,593.15

Achats de métal..... 616,047.64

Achats de pièces usées (retraitées de la circulation en vue de nouvelle frappe)..... 2,444.36

Bénéfices nets sur le numéraire crédités au Fonds du revenu consolidé..... 1,963,035.46

Moins: Monnaies vendues..... \$ 3,004,778.47

Métal entrant dans la fabrication des médailles vendues..... \$2,790,679.21

Vire aux fins d'alliage..... 24,476.90

Solde au 31 décembre 1963..... \$ 189,376.48

## COMPTE DE FRAPPE DE MONNAIE D'ACIER

Solde au 31 décembre 1962..... \$ 784.80

Achat de pièces mutilées..... 1,199.60

Moins: Perte subie lors de la destruction de pièces par la fonte..... \$ 1,984.40

et imputée sur le Fonds du revenu consolidé..... 1,312.15

Solde au 31 décembre 1963..... \$ 672.25



APPENDICE D

MONNAIE ROYALE CANADIENNE

OPÉRATIONS AYANT TRAIT À LA MONNAIE ET AUX LINGOTS, 1963

LINGOTS D'OR

Or en main au 31 décembre 1962.....	165,861.525	Onces de fin	Valeur	\$ 6,026,059.57
Achats d'or à différents taux.....	2,653,182.870			100,142,940.72
Bénéfices réalisés sur les opérations.....	1,614,000			60,843.26
Ajustement de l'évaluation de l'or.....				217,988.01
.....				
2,820,658.395				\$106,447,831.56
<i>Moins:</i> Ventes d'or à différents taux.....	2,655,780.136			100,232,769.81
.....				
Solde détenu au 31 décembre 1963.....	164,878.259			\$ 6,215,061.75

COMPTE D'ACHAT DE LINGOTS D'ARGENT

Solde au 31 décembre 1962.....		Valeur	Valeur	\$ 129,712.31
Achats de lingots.....				723,825.70
Frais de traitement—Balayures.....				2,104.09
Bénéfices nets réalisés sur les opérations.....				42,779.00
.....				
<i>Moins:</i> Lingots virés au Compte de frappe de monnaie d'argent.....	\$ 481,683.01			\$ 898,421.10
Ventes de lingots.....	62,237.82			543,920.83
.....				
Solde au 31 décembre 1963.....				\$ 354,500.27

COMPTE DE FRAPPE DE MONNAIE D'ARGENT

Solde au 31 décembre 1962.....				\$ 17,133,122.73
Achats et virements de lingots et d'alliages.....				16,036,730.49
Achats de pièces usées (retraitées de la circulation en vue de nouvelle frappe).....				124,766.80
Bénéfices nets sur le numéraire crédités au Fonds du revenu consolidé.....				5,048,155.00
.....				
\$ 38,342,775.02				\$ 17,688,668.50
<i>Moins:</i> Monnaies vendues.....				17,688,668.50
.....				
Solde au 31 décembre 1963.....				\$ 20,654,106.52

COMPTE DE FRAPPE DE MONNAIE DE NICKEL

Solde au 31 décembre 1962.....				\$ 17,286.29
Achats de métal.....				814,745.08
Achats de pièces mutilées.....				1,617.65
Bénéfices nets sur le numéraire crédités au Fonds du revenu consolidé.....				1,413,638.14
.....				
\$ 2,247,267.16				

# APPENDICE C

## PIÈCES DE MONNAIE DU CANADA EN CIRCULATION AU 31 DÉCEMBRE

Année	Argent	Nickel	Tombac	Acier	Bronze	Total	Par tête
1905.....	10,487,774	.....	.....	.....	791,429	11,279,203	1.85
1910.....	14,327,662	.....	.....	.....	967,353	15,295,015	2.03
1915.....	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920.....	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925.....	27,713,019	.....	.....	.....	2,020,470	29,733,489	3.20
1930.....	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1935.....	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1940.....	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1945.....	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1950.....	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951.....	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952.....	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953.....	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954.....	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955.....	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956.....	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957.....	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958.....	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,376,405	8.32
1959.....	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960.....	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38
1961.....	146,902,352	14,110,198	549,021	3,451,708	18,311,853	183,325,132	10.09
1962.....	162,928,707	16,433,088	549,009	3,450,676	20,595,543	203,957,023	11.06
1963.....	180,492,972	18,627,687	548,999	3,449,476	23,383,788	226,502,922	11.91



## APPENDICE B (2)



## APPENDICE A

Récapitulation des opérations ayant trait aux LINGOTS D'OR de la succursale d'Ottawa de la Monnaie royale, depuis son inauguration le 2 janvier 1908 jusqu'à la séparation, le 30 novembre 1931, et des opérations de la Monnaie royale canadienne depuis le 1<sup>er</sup> décembre 1931 jusqu'au 31 décembre 1963

<i>Année</i>	<i>Or reçu</i>		<i>Or émis</i>	
	<i>Poids brut</i>	<i>Or fin</i>	<i>Monnaie</i>	<i>Lingots</i>
	Onces	Onces	Onces	Onces
1908 à 1953.....	136,498,602.205	110,017,596.568	383,319.096	109,430,839.886
1954.....	4,768,451.365	3,829,430.609	.....	3,998,835.566
1955.....	4,878,918.379	3,947,636.509	.....	3,952,764.485
1956.....	4,693,484.529	3,801,788.815	.....	3,774,599.457
1957.....	4,798,296.343	3,896,083.563	.....	3,776,710.677
1958.....	4,868,066.405	3,958,458.747	.....	4,088,706.348
1959.....	4,805,493.520	3,908,640.185	.....	3,836,679.842
1960.....	4,970,726.079	4,024,625.964	.....	4,014,771.105
1961.....	4,745,639.352	3,800,137.419	.....	3,812,054.286
1962.....	4,363,972.339	3,488,974.332	.....	3,520,405.598
1963.....	4,319,975.360	3,457,091.639	.....	3,467,554.159
	183,711,625.876	148,130,464.350	383,319.096	147,673,921.409

## GÉNÉRALITÉS

Un jury avait été nommé afin de choisir le dessin devant figurer au revers de la pièce d'un dollar qui sera émise pour commémorer le centenaire des Conférences des Pères de la Confédération de 1864; il a choisi le dessin soumis par M. Dinko Vodanovic de Montréal sur quelque 168 autres. Une description du dessin gagnant figure à l'appendice "E". M. Vodanovic a reçu le premier prix de \$1,000 de l'honorable George C. Nowlan, qui était alors ministre des Finances.

Quatre autres prix de \$250 chacun ont été attribués aux quatre dessins qui ont reçu des mentions honorables. Voici les gagnants: M. H. D. Voss, Cooksville (Ont.); M. Elmer Smutny, Montréal (P.Q.); M. Augustus A. Kopmanis, Toronto (Ont.); et M. E. H. Ellwand, Deschênes (P.Q.).

Cinquante-six mille visiteurs ont été admis à voir les opérations de frappe de la Monnaie dans l'année.

Le 7 mai 1963, Son Honneur le juge P. J. MacDonald a assermenté les commissaires nommés en vertu des dispositions de la Loi sur la monnaie aux fins de contrôler si les pièces de monnaie du Canada frappées à la Monnaie royale canadienne en 1962 l'avaient été en conformité des dispositions de ladite loi. Ces commissaires sont: M. H. Brown et M. D. M. Wiles, du Conseil national de recherches et M. L. G. Ripley, du ministère des Mines et des Relevés techniques. Les constatations des commissaires lors du contrôle des monnaies démontrent que le poids et le titre des pièces qui ont fait l'objet d'essai étaient dans les limites de la tolérance prévue par la loi.

Le bureau de l'Auditeur général a fait en février l'inventaire et l'inspection annuels des lingots et pièces de monnaie en main, ainsi que le prescrit la loi créant la Monnaie royale canadienne.

Au 31 décembre 1963, l'effectif de la Monnaie comptait 278 employés, dont 48 au Bureau de l'administration, 176 à la Division du monnayage et des médailles, 17 à la Division de l'essai et 37 à l'Affinage.

Au cours de l'année, plusieurs employés ont été mis à la pension, notamment M. Edwin V. MURRAY, agent en chef d'administration, qui a pris sa retraite à l'âge de 70 ans à la fin d'une carrière distinguée de près de 54 ans à la Monnaie.

Voici les autres employés qui ont pris leur retraite: M. Charles W. ELLIS, agent comptable, qui a pris sa retraite à 66 ans après 42 ans de service, M. Alfred M. MERRITT, contremaître de production, à l'âge de 65 ans après plus de 48½ ans de service; M. William S. GRAHAM, machiniste, à l'âge de 60 ans, avec 24 ans de service; M. William HOUGHTON, artisan de la Monnaie, à 62 ans, avec 23½ ans de service et M. Lionel LAFORTUNE, messenger de confiance, à 61 ans après 44 ans de service.

On trouvera en appendice des états des opérations ayant trait aux lingots d'or depuis l'inauguration de la Monnaie en janvier 1908, le détail des pièces de monnaie émises au Canada depuis 1858, le détail des pièces de monnaie en circulation au Canada, des états des opérations ayant trait à la monnaie et aux lingots pour l'année civile 1963 ainsi qu'une proclamation prescrivant un changement dans le dessin du verso de la pièce d'un dollar.

Veuillez agréer, monsieur le ministre, l'expression de mes sentiments respectueux.

N. A. PARKER

*Le Directeur de la Monnaie royale canadienne,*



L'installation des machines susmentionnées, s'ajoutant au travail d'entretien courant et à la production des coins et collets pour la frappe de monnaie, des coins et outils pour la confection des médailles, des coins et matrices de découpage, etc., a occupé entièrement le personnel des services mécanique et électrique à temps supplémentaire pendant la majeure partie de l'année.

Un rodoir cylindrique a été ajouté au matériel de l'atelier de mécanique. Cette machine aidera à diminuer l'accumulation de travail de rodage des coins, matrices, collets, etc.

Du matériel additionnel (de genre analogue au matériel déjà en service) a été mis en service pour la recuite, le nettoyage et le séchage des flans de pièces. Le four est le four de genre rotatif fabriqué par W. S. Rockwell Company et l'appareil de nettoyage et de séchage est fabriqué par N. Ransohoff Ltd.

Afin de pouvoir placer six nouveaux balanciers de frappe de monnaie commandés en 1963, on a converti le sous-sol de la nouvelle aile de la Division du monnayage et des médailles en une seconde salle de presse par le déménagement d'une partie du matériel et par l'aménagement des murs et du plafond afin de les rendre insonores. Deux de ces six balanciers ont été reçus juste avant la fin de l'année.

Un nouveau balancier à grande vitesse, acheté de Taylor and Challen Ltd., Birmingham (Angleterre), a été mis en service pour la frappe de monnaie en remplacement d'un modèle plus lent qui a été transféré à la production de pièces non en circulation.

L'année a été particulièrement difficile pour la Division de l'entretien de la Monnaie. Le fonctionnement continu a poussé à la limite le matériel de frappe de monnaie de sorte qu'il a été nécessaire d'accroître le programme d'entretien afin de prévenir des pannes d'importance.

## AMÉNAGEMENTS ET MATÉRIEL

On trouvera à la gravure 1 une reproduction de la médaille d'ancienneté de service du gouvernement du Canada.

Le nom du destinataire a été gravé sur toutes les médailles ci-haut, excepté les médailles de Son Excellence le très honorable Général Georges-P. Vanier, du ministère de la Production de défense, du ministère des Affaires des anciens combattants et du *Royal Architectural Institute of Canada*.

1	Pour la <i>Royal Canadian Geographical Society</i> — Médaille Massey, argent, 800 de fin, finie d'or.....
1	Pour le <i>Royal Architectural Institute of Canada</i> — Médailles munies d'anneaux de suspension portant au revers les mots «Fellow of the Royal Architectural Institute of Canada», tombac.....
6	Médailles sans anneaux de suspension ni impression au verso, cuivre.....
1	Pour l' <i>Institute of Public Administration of Canada</i> — Médaille Vanier avec inscription en anglais au verso, or, 14 carats.....
1	Pour le ministère des Transports— Médaille Patterson, argent, 925 de fin.....
1	Pour le gouvernement du Canada— Médailles d'ancienneté de service du gouvernement, argent, 925 de fin (en anglais).....
4	Médaille d'ancienneté de service du gouvernement, argent, 925 de fin (en français).....
1	

## ENTREPOSAGE DE L'OR

Dans l'année, neuf mines ont déposé des lingots d'or à la Monnaie en vertu des dispositions des Règlements qui prescrivent les circonstances et les conditions dans lesquelles la Monnaie royale canadienne accepte de l'or pour entreposage.

La teneur d'or fin des lingots déposés en vertu de tel arrangement au cours de 1963 représentait 803,908,769 onces. Des lingots d'or fin représentant 811,774,023 onces ont été délivrés pour le compte des mines en vue d'exportation et à différents fabricants pour les besoins du marché canadien.

## MÉDAILLES, COINS ET SCEAUX

Mille sept cent soixante-douze onces de barres d'argent sterling ont été coulées, principalement pour la confection de médailles du Gouverneur général.

Trois mille cinq cent soixante-seize livres de barres de tomбак ont été coulées pour la confection de médailles du Gouverneur général, médailles de décoration des forces canadiennes, étoiles de campagne et autres médailles diverses.

Le modèle du revers du dollar d'argent commémoratif de 1964 a été fait par le graveur de la Monnaie d'après des dessins de l'artiste, après quoi la matrice originale a été établie au moyen du pantographe à trois dimensions.

Les médailles suivantes ont été frappées et émises en 1963 :

Pour Son Excellence le très honorable Général Georges-P. Vanier, D.S.O.,  
M.C., C.D.—  
Médailles du Gouverneur général, argent, 925 de fin (dorées)..... 8  
Médailles du Gouverneur général, argent, 925 de fin..... 80  
Médailles du Gouverneur général, tomбак..... 262

Pour le ministère de la Production de défense—  
Médailles de décoration des forces canadiennes, tomбак..... 8,350  
Agrafes de décoration des forces canadiennes, tomбак..... 1,500

Pour le ministère des Affaires des anciens combattants—  
Etoiles de 1939-1945, tomбак..... 2,500

Pour la Gendarmerie royale du Canada—  
Médailles d'ancienneté de service, argent, 800 de fin..... 56  
Etoiles d'ancienneté de service, argent, 923.4 de fin..... 190

Pour l'Institut professionnel du service public du Canada—  
Médailles, or, 14 carats (dorées)..... 2  
Reproductions de médaille, cuivre mince, doublées d'or..... (paires) 2

Pour la Société royale du Canada—  
Médaille Flavell, or, 14 carats, (dorée)..... 1  
Médaille Miller, or, 18 carats, (dorée)..... 1  
Médaille Tyrrell, or, fin..... 1  
Médaille Tory, or, 18 carats, (dorée)..... 1  
Médaille Pierce, or, 14 carats, (dorée)..... 1

Pour l'Institut canadien des comptables agréés—  
Prix en comptabilité, or, 18 carats..... 1

Pour l'Engineering Institute of Canada—  
Médaille Gzowski, or, 10 carats..... 1  
Médaille Leonard, or, 10 carats..... 1  
Médaille Plummer, or, 10 carats..... 1  
Médaille Ross, or, 10 carats..... 1  
Médailles Julian C. Smith, argent, 925 de fin..... 2  
Médaille Sir John Kennedy, argent, 925 de fin..... 1



Le tableau suivant donne la décomposition de la production de métal fin pendant l'année:

Production				Titre moyen	
Nombre	Poids brut	Poids du métal fin	Onces		
6,698	2,681,915.400	2,675,482.969	Onces		
	1,959.190	1,958.945			
468	513,355.75	513,247.62			
	4,902.65	4,901.57			
		6.170			
		.272			
1,733	693,545.378	691,836.678			
	75,247.110	75,239.145			
3		15.679			
4		133.70			
		7,777.437			
		44,514.98			

Procédés spéciaux				Poids brut	
Nombre	Poids brut	Onces			
160		88,095.730			
6		2,104.560			
		Livres			
		avoir-du-poids			
		75,700.0			
		86,485.0			

Voici le détail des essais, etc., exécutés au cours de l'année:

Or—			
Affinage.....	5,537		
Or brut.....	31,820		
Épreuves.....	3,118		
Épreuves de séparation.....	765		
Résidus de séparation.....	11,112		
Divers.....	736		
Argent—			
Barres réglementaires.....	12,317		
Contrôle des monnaies.....	3,472		
Épreuves.....	622		
Argent fin.....	2,859		
Divers.....	645		
Divers—			
Pour l'inspecteur en vertu de la Loi sur le poinçonnage des métaux précieux.....	21		
Résidus de monnayage (balayures, etc.).....	360		
Remarque—Dix-huit médailles et deux jeux de reproduction ont été dorés. Une plaque de travail d'essai d'or a été faite et ajustée ainsi qu'une nouvelle plaque d'essai d'argent.			
	381		
	73,384		

Le tableau suivant fait voir la provenance des lingots d'or et d'argent en dépôt aux fins de vente à Sa Majesté et d'entreposage en 1963:

<i>De mines et d'affineries du Canada</i>	<i>Vente à Sa Majesté</i>		<i>Entreposage d'or</i>		<i>Total</i>		<i>Total Argent fin</i>
	<i>Poids brut</i>	<i>Or fin</i>	<i>Poids brut</i>	<i>Or fin</i>	<i>Poids brut</i>	<i>Or fin</i>	
	Onces	Onces	Onces	Onces	Onces	Onces	Onces
Ontario.....	2,264,735.530	1,876,520.300	502,141.090	431,775.175	2,766,876.620	2,308,295.475	262,907.24
Québec.....	663,076.160	523,079.415	60,578.390	13,847.728	723,654.550	536,927.143	143,701.01
Colombie-Britannique.....	138,852.760	112,404.913	10,035.150	9,535.666	148,887.910	121,940.579	21,037.68
Manitoba.....	33,821.350	24,250.886	.....	.....	33,821.350	24,250.886	4,054.57
Territoire du Yukon.....	68,057.980	54,878.656	.....	.....	68,057.980	54,878.656	11,104.24
Territoires du Nord-Ouest.....	55,639.000	45,346.995	511,486.380	360,027.213	567,125.380	405,374.208	81,474.59
Alberta.....	157.740	131.571	.....	.....	157.740	131.571	11.99
Total, de mines et d'affineries du Canada.....	3,224,340.520	2,636,612.736	1,084,241.010	815,185.782	4,308,581.530	3,451,798.518	524,291.32
De bijouterie et divers.....	11,393.830	5,293.121	.....	.....	11,393.830	5,293.121	1,022.59
Total.....	3,235,734.350	2,641,905.857	1,084,241.010	815,185.782	4,319,975.360	3,457,091.639	525,313.91
Or fin libéré d'entrepôt par les entreprises minières pour vente à Sa Majesté.....	.....	11,277.013	.....	11,277.013	.....	.....	.....
	3,235,734.350	2,653,182.870	1,084,241.010	803,908.769	4,319,975.360	3,457,091.639	525,313.91

État comparatif des dépôts d'or reçus pour 1962 et 1963:

	Nombre de dépôts reçus				Onces brutes			
	1962	1963	Augmen- tation	Diminution	1962	1963	Augmen- tation	Diminution
Ventes à Sa Majesté.....	3,525	3,940	415	.....	2,875,031	3,224,340	349,309	.....
Pour entreposage.....	1,708	1,293	.....	415	1,477,010	1,084,241	.....	392,769
Bijouterie et divers.....	209	188	.....	21	11,931	11,394	.....	537
Total reçu.....	5,442	5,421	.....	21	4,363,972	4,319,975	.....	43,997

11

	Or, onces de fin				Argent, onces de fin			
	1962	1963	Augmen- tation	Diminution	1962	1963	Augmen- tation	Diminution
Ventes à Sa Majesté.....	2,338,971	2,647,890	308,919	.....	541,433	525,314	.....	16,119
Pour entreposage.....	1,144,396	803,909	.....	340,487	.....	.....	.....	.....
Bijouterie et divers.....	5,607	5,293	.....	314	.....	.....	.....	.....
Total reçu.....	3,488,974	3,457,092	.....	31,882	541,433	525,314	.....	16,119

A l'essai, des échantillons tirés de 445,504.02 livres de flans de nickel se sont révélés conformes aux prescriptions de la Monnaie.

La Monnaie a reçu de la Gendarmerie royale du Canada et de différents particuliers, six pièces de monnaie que l'on soupçonnait être fausses. On a constaté que cinq de ces pièces étaient de fausses pièces de 50c.

Une plaque d'essai d'or, vendue pour fins d'essai, représentait 2.105 onces de fin.

## LINGOTS D'OR

Cinq mille quatre cent vingt et un dépôts de lingots d'or ont été reçus dans l'année de sociétés minières canadiennes et de diverses personnes. Voici la composition des dépôts:

*Or fin—*  
 256 dépôts pesant 256,727.564 onces d'un titre moyen de 997.187  
*Matières brutes—*  
 3,684 dépôts pesant 2,978,889.969 onces d'un titre moyen de 802.945 d'or, 126,545 d'argent, et contenant 7.051 p. 100 de métaux communs  
*Rebuts* (bijouterie et prothèse dentaire)  
 188 dépôts, 11,393.830 onces d'un titre moyen de 464.560 d'or et 89.749 d'argent  
*Or pour entreposage—*  
 1,293 dépôts pesant 1,084,241.010 onces d'un titre moyen de 751.849 d'or et 135.881 d'argent

La valeur nette payée aux déposants s'élevait à \$100,054,664.30. En plus, 815,032.270 onces d'or fin a été remis aux déposants.

Le tableau ci-après fait voir la disposition de l'or fin produit sous différentes formes (barres pour le commerce, or granulé, balayures, médailles, etc.):

<i>Onces de fin</i>	
6,621 barres de commerce transportées au Compte du Fonds des	2,644,703.576
changements du ministre des Finances.....	815,032.270
Déposants—or granulé et en barres.....	19.264
Ventes d'or fin.....	6.170
Plaque d'essai pour fins d'épreuves.....	15.442
Médailles, etc.....	7,777.437
Balayures.....	3,467,554.159

Ce total accuse une diminution de 52,851.439 onces de fin sur le total correspondant de l'année 1962.

Le tableau ci-après récapitule les poids de lingots d'argent, de bronze et d'autres métaux employés dans la fonte de barres de frappe, barres laminées, flans découpés et bonnes pièces produites :

<i>Canada</i>		<i>Barres fondues</i>	<i>Barres laminées</i>	<i>Flans découpés</i>	<i>Bonnes pièces produites</i>
<i>Valeur</i>		Onces	Onces	Onces	Onces
<i>Argent, 800 de fin —</i>	1 dollar.....	28,333,661.74	27,241,827.62	4,520,387.75	3,135,552.59
	50 cents.....			3,554,404.75	3,136,799.49
	25 cents.....			4,216,489.96	3,980,529.30
	10 cents.....			3,088,820.00	3,152,246.46
	Total, argent.....	28,333,661.74	27,241,827.62	15,380,102.46	13,405,127.84
<i>Nickel—</i>	5 cents.....			<sup>b</sup> 458,185.73	440,681.10
	<i>Bronze.</i> .....	2,963,940.50	<sup>a</sup> 158,364.00	1,936,835.88	1,993,105.17
		Tonnes courtes	Tonnes courtes	Tonnes courtes	Tonnes courtes
		2,453.4	2,346.8	1,724.8	1,676.5
		Ne comprend pas <sup>a</sup>			
<sup>a</sup> Bandes de bronze achetées					
<sup>b</sup> Flans de nickel achetés					

En plus de 2,453 tonnes de barres de frappe produites dans l'année, 85,187 onces de monnaies canadiennes d'argent usées ou mutilées qui avaient été retirées de la circulation ont été coulées en lingots de 1,000 onces chacun aux fins d'essai et de conversion en 800 barres de frappe ordinaires. Des monnaies de bronze usées repré-  
sentant 1,482 livres ont été fondues et converties en barres de frappe de pièces d'un  
Soixante-trois onces de plaque d'essai d'or, 144 onces de plaque d'essai d'argent, 4,741 onces de disques d'argent et 2,135 onces de disques de cuivre ont été laminés à l'intention de la Division de l'essai.

Trois mille trois cent quatre-vingt-dix-sept onces de cathodes d'or fin ont été laminées pour l'atelier d'électrolyse de la Division de l'affinerie.

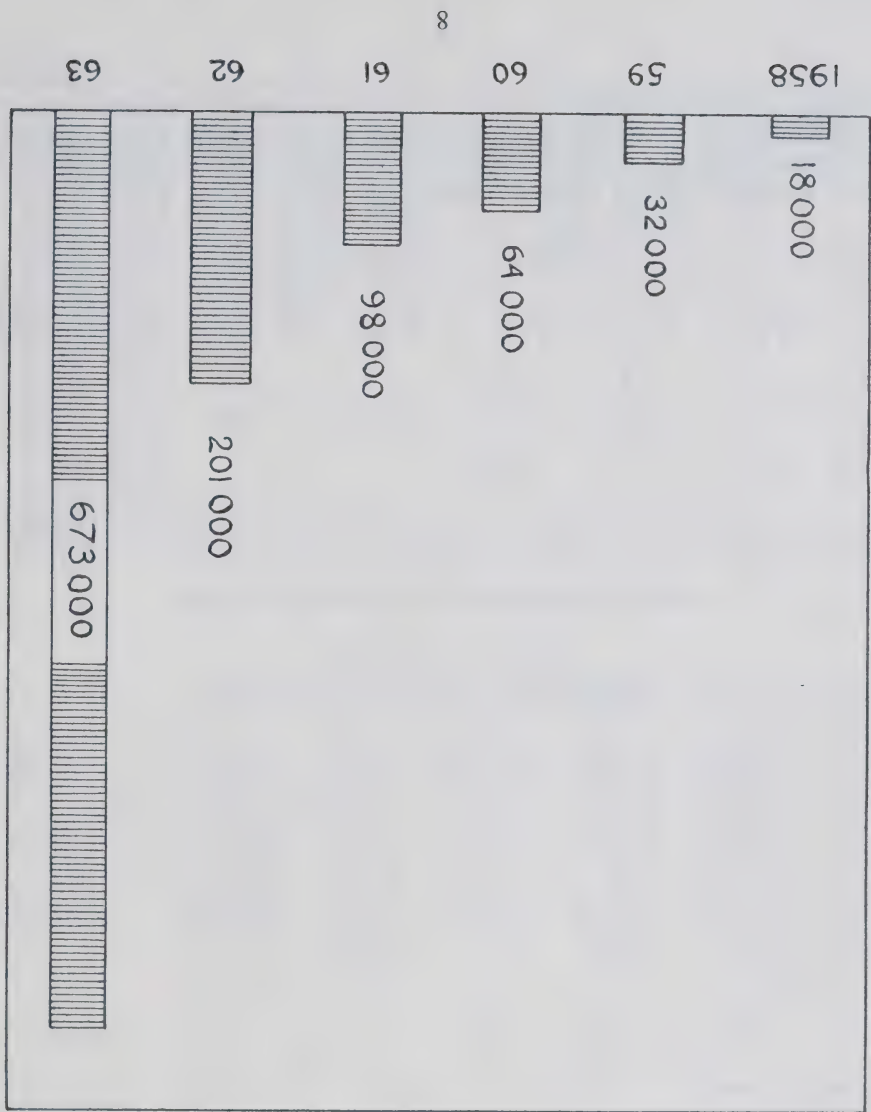
Voici les moyennes du titre de fin des pièces d'argent frappées en 1963 :

<i>Dénomination</i>	<i>Titre réglementaire</i>	<i>Titre moyen</i>
1 dollar.....	800.00	799.08
50 cents.....	800.00	799.25
25 cents.....	800.00	799.14
10 cents.....	800.00	799.37



Afin de permettre à la Section de la numismatique de faire face à la demande accrue de pièces non en circulation, on a agrandi considérablement ses aménagements en lui donnant plus d'espace. Il a été nécessaire également d'embaucher des employés supplémentaires, temporaires et permanents. Les opérations d'expédition ont été mécanisées en partie vers la fin de l'année par l'achat d'une machine destinée à insérer dans l'enveloppe protectrice chaque ensemble de pièces et les documents y afférents. De tels changements ainsi que l'exécution massive de surtemps ont permis à cette section de remplir dans l'année civile toutes les commandes de pièces non en circulation de 1963. Le graphique ci-après fait voir la tendance des émissions d'ensembles de pièces non en circulation au cours des six dernières années.

### EMISSIONS DE PIÈCES NON EN CIRCULATION (ENSEMBLES)





Pièces, usées et mutilées, retirées de la circulation

Augmentation nette de la quantité en circulation		Retirées				
		\$	\$	\$	\$	\$
Pièces d'argent.....	124,403.85	1,617.65	17,564,264.65	2,194,599.55	9.55	1,199.60
Pièces de nickel—5 cents (mutilées seulement).....						
Pièces de tombac—5 cents.....						
Pièces d'acier—5 cents.....						
Pièces de bronze.....						
		2,434.74	2,788,244.47			

Répartition des pièces émises aux différentes agences de la Banque du Canada et à diverses personnes :

Agence	Dollar	50 Cents	25 Cents	10 Cents	5 Cents	1 Cent
Calgary.....	240,000.00	360,000.00	574,000.00	275,000.00	220,200.00	181,500.00
Charlottetown.....	4,000.00			2,000.00	300.00	1,260.00
Hallifax.....	90,000.00	100,000.00	245,000.00	200,000.00	60,600.00	85,500.00
Montréal.....	786,000.00	281,000.00	1,552,000.00	990,000.00	554,100.00	680,820.00
Ottawa.....	322,606.00	176,231.50	246,812.50	365,409.90	133,500.00	147,900.00
Régina.....	100,000.00	120,000.00	479,000.00	235,000.00	106,500.00	140,100.00
Saint-Jean (N.-B.).....	50,000.00	90,000.00	256,000.00	105,000.00	45,900.00	53,100.00
St-Jean (T.-N.).....	5,000.00	105,000.00	25,000.00	37,000.00	29,400.00	30,240.00
Toronto.....	1,095,000.00	1,986,000.00	921,000.00	1,202,000.00	653,700.00	1,031,520.00
Vancouver.....	210,000.00	465,000.00	366,000.00	448,000.00	218,100.00	276,000.00
Winnipeg.....	275,000.00	150,000.00	368,000.00	250,000.00	140,100.00	156,000.00
Diverses personnes.....	963,535.00	336,518.00	168,254.00	67,301.60	33,817.20	6,739.21
Totaux.....	4,137,141.00	4,173,749.50	5,201,066.50	4,176,711.50	2,196,217.20	2,790,679.21

SECTION DE LA NUMISMATIQUE

Le tableau ci-dessous donne la répartition des pièces non en circulation, émises à différentes personnes par la Section de la numismatique pour l'année 1963 :

Argent	50 cents	25 cents	10 cents	5 cents	1 cent
Bronze					
	\$	\$	\$	\$	\$
Émises par ensemble.....	673,006.00	336,503.00	168,251.50	67,300.60	33,650.30
Émises séparément.....	290,529.00	15.00	2.50	1.00	166.90
Totaux.....	963,535.00	336,518.00	168,254.00	67,301.60	33,817.20

Par rapport à 1962, la vente de 673,006 ensembles et 290,529 dollars d'argent représente une augmentation de 472,056 ensembles ou 235 p. 100 et une augmentation de 242,938 dollars d'argent ou 510 p. 100. Une telle augmentation reflète manifestement une plus grande demande de pièces non en circulation, tant au Canada qu'à l'étranger.

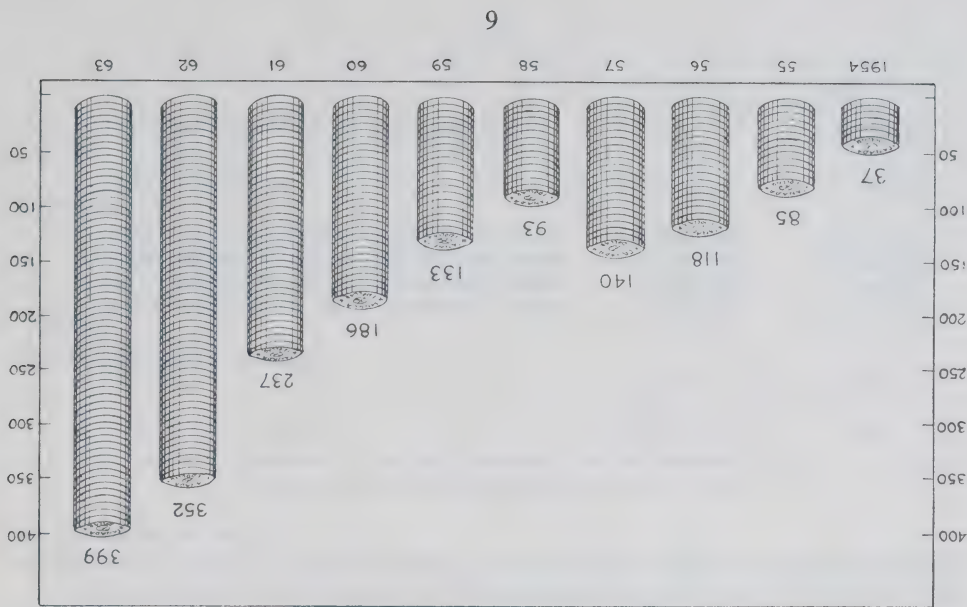
Les pièces de monnaie frappées en 1963 selon le tableau ci-dessus représentent 367 tonnes d'argent, 1,068 tonnes de cuivre, 220 tonnes de nickel et 20 tonnes de zinc et d'étain.

Par rapport à 1962, la production de pièces d'un dollar accuse une augmentation de 122 p. 100; celle des pièces de cinquante cents, une augmentation de 57 p. 100 et celle des pièces d'un cent, une augmentation de 23 p. 100.

# PIÈCES ÉMISES EN 1962 ET 1963

Canada		1962		1963	
Valeur		\$		\$	
<i>Pièces d'argent—</i>					
1 dollar.....		1,894,092.00		4,137,141.00	
50 cents.....		2,624,001.50		4,173,749.50	
25 cents.....		7,392,098.75		5,201,066.50	
10 cents.....		4,204,047.60		4,176,711.50	
Total, pièces d'argent.....		16,114,239.85		17,688,668.50	
<i>Pièces de nickel—</i>					
5 cents.....		2,324,211.65		2,196,217.20	
1 cent.....		2,284,924.80		2,790,679.21	
Total.....		20,723,376.30		22,675,564.91	
Représentant		Nombre de pièces			
Total.....		353,727,679		398,048,286	
Total.....					

## PIÈCES PRODUITES (MILLIONS DE PIÈCES)



MONNAIE ROYALE CANADIENNE

L'honorable  
ministre des Finances  
OTTAWA,  
Monsieur le ministre,

J'ai l'honneur de vous présenter le rapport ci-joint sur l'activité de la Monnaie royale canadienne pour l'année civile 1963.

FRAPPE DE MONNAIE

En 1963, la demande de pièces de monnaie a continué à augmenter comme elle l'avait fait au cours des dernières années. Afin de pouvoir remplir les commandes plus nombreuses reçues de la Banque du Canada, il a été nécessaire d'augmenter encore la production, ce qui a été accompli en faisant fonctionner pendant 21 heures par jour la majeure partie du matériel de la Monnaie. La production annuelle des pièces de monnaie a touché un nouveau sommet, soit 398,672,366 pièces, c.-à-d. 46,604,572 pièces de plus qu'en 1962. Toutefois, la demande de pièces était encore plus élevée que l'approvisionnement, de sorte qu'à la fin de l'année, les commandes non remplies représentaient 13 millions de pièces.

Étant donné que les bâtiments actuels ont été aménagés en vue de produire seulement cent millions de pièces par année, avec une seule équipe par jour, on se rendra facilement compte que l'énorme augmentation de production a créé des problèmes. La satisfaction de cette demande sans précédent de pièces a exigé, de la part des fonctionnaires de la Monnaie, beaucoup d'effort de préparation et d'organisation. La pénurie d'espace d'entreposage et de travail reste toujours un problème aigu. Il faut reconnaître beaucoup de mérite aux employés de la Monnaie qui ont travaillé dans les différentes équipes et qui se sont offerts pour accomplir le surtemps nécessaire. Grâce à leurs efforts sans relâche, la production de la Monnaie a touché un nouveau sommet, soit près de 400 millions de pièces, dans des conditions de plus en plus difficiles.

Voici des états comparatifs de la production et de l'émission de pièces en 1962 et 1963, selon la valeur, et un graphique de la frappe des pièces de monnaie au cours des dix dernières années :

PRODUCTION DE PIÈCES EN 1962 ET 1963

Canada		1962		1963	
Valeur—Composition métallique		Pièces		Pièces	
Argent	1 dollar—800 parties d'argent, 200 parties de cuivre	1,884,789	4,179,981	8,348,871	4,179,981
	50 cents—800 parties d'argent, 200 parties de cuivre..	5,208,030	29,559,266	21,180,652	41,916,208
Nickel	25 cents—800 parties d'argent, 200 parties de cuivre..	41,864,335	43,970,320	279,076,334	398,672,366
	10 cents—800 parties d'argent, 200 parties de cuivre..	227,244,069	46,307,305	352,067,794	279,076,334
Bronze		227,244,069		279,076,334	
		1 cent—98 p. 100 cuivre, 2 p. 100 d'étain et zinc.....		398,672,366	



## PRÉFACE

Inauguré le 2 janvier 1908, l'Hôtel des monnaies d'Ottawa était d'abord une succursale de la Monnaie royale de Londres en vertu de la loi impériale connue sous le nom de Coinage Act, 1870. Le chapitre 48, 21-22 Geo. V, en a fait un service du ministère des Finances et par une proclamation du 14 novembre 1931, il est devenu, depuis le 1<sup>er</sup> décembre 1931, la Monnaie royale canadienne.

Les principales fonctions de la Monnaie sont la fabrication de pièces de monnaie canadiennes et étrangères; l'affinage de l'or et de l'argent; l'acquisition de l'or, de l'argent et d'autres métaux, ces acquisitions étant payées d'après le résultat des essais de la Monnaie; la régie, la préparation et le mouvement des expéditions d'or et de pièces de monnaie; la garde des avoirs de la Monnaie en métaux monétaires, y compris les pièces de monnaie et les métaux précieux à différents stades de transformation, jusqu'à ce que les pièces soient terminées et mises en circulation; la fabrication et la gravure de coins pour la frappe de monnaie, de médailles, de signatures et de sceaux officiels; la vente d'ensembles de pièces neuves aux collectionneurs et l'application des différents règlements édictés en vertu de la Loi sur la monnaie, l'Hôtel des monnaies et le fonds des changes, S.R. 1952, ch. 315.



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1964



PUBLIÉ PAR ORDRE  
de l'hon. Walter Gordon  
Ministre des Finances

concernant l'année civile  
1963

DIRECTEUR DE LA MONNAIE ROYALE  
CANADIENNE  
du

# RAPPORT

CANADA  
MINISTÈRE DES FINANCES



Government  
Publications

46  
51  
42  
963  
ep.2

MINISTÈRE DES FINANCES



RAPPORT  
DU DIRECTEUR  
DE LA MONNAIE  
ROYALE  
CANADIENNE

Concernant l'année civile 1963

Publié par ordre de l'hon. Walter L. Gordon, Ministre des Finances

CAI  
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(DEPARTMENT OF FINANCE)



CANADA  
ROYAL CANADIAN MINT  
REPORT OF THE MINISTER  
For Calendar Year 1964

Published by authority of Honourable Walter L. Gordon, Minister of Finance





CANADA  
DEPARTMENT OF FINANCE

REPORT  
*of the*  
MASTER OF THE  
ROYAL CANADIAN MINT

*For Calendar Year 1964*

Published by Authority of Honourable Walter L. Gordon,  
Minister of Finance



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Queen's Printer and Controller of Stationery  
Ottawa, Canada  
1965

## PREFACE

The Ottawa Mint, established as a branch of the Royal Mint, London, under the (Imperial) Coinage Act, 1870, and opened January 2, 1908, was by 21-22 Geo. V, ch. 48, constituted a branch of the Department of Finance and by the Proclamation of November 14, 1931, it has since December 1, 1931, operated as the Royal Canadian Mint.

The principal functions of the Mint are the execution of domestic and foreign coin; the refining of gold and silver; the acquisition of gold, silver and other metals, payments for which are made on the basis of Mint assays; the control, preparation and movement of gold and coin shipments; the safeguarding of Mint holdings of monetary metals, including coin and precious metals in various processing stages until finished and issued; the fabrication and engraving of dies for coinage, medals, signatures and official seals; the issue of coin sets to numismatists and the administration of various regulations issued under the terms and provisions of the Currency, Mint and Exchange Fund Act, RS 1952, ch. 315.



## ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
Ottawa.

Sir :

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1964.

### COINAGE

Coinage demands for the calendar year 1964 followed the upward trend that has been established during the past several years. For the sixth consecutive year, production records have been surpassed. Six hundred and sixty-five million pieces were struck representing an increase of 66.9% over the 1963 production of three hundred and ninety-eight million pieces.

The six new, high-speed presses, which were installed by the Engineering Division, have been used exclusively for the manufacture of bronze coinage. One cent production accounted for 72.75% of the total year's production in numbers of pieces and it would have been impossible to reach this goal without these extra presses.

Although the production staff was working continuously on two shifts and overtime, it became apparent as mid-year approached that our melting facilities would be unable to meet requirements. In order to deal with this emergency, it was decided to purchase a portion of our bronze strip from commercial sources. While this relieved the situation, it was still not sufficient. In September, arrangements were made to purchase all our bronze requirements and to sell our bronze scissel to the supplier.

This enabled our Melting and Rolling Sections to concentrate on the manufacture of silver strip. A portion of the work force from the Rolling and Melting Sections was transferred to the Press Room to create a full third shift in this section.

Comparative statements of the production and issue of coin, by denominations, for the years 1963 and 1964 and a graph illustrating coinage production during the last ten years are shown hereunder :

#### COINAGE PRODUCTION IN 1963 AND 1964

<i>Canada</i>	<i>1963</i>	<i>1964</i>
Denomination—Metallic Composition	Pieces	Pieces
<i>Silver</i>		
1 dollar—800 parts silver, 200 parts copper.....	4,179,981	7,296,832
50 cents —800 parts silver, 200 parts copper.....	8,348,871	9,377,676
25 cents —800 parts silver, 200 parts copper.....	21,180,652	36,479,343
10 cents —800 parts silver, 200 parts copper.....	41,916,208	49,518,549
<i>Nickel</i>		
5 cents —pure nickel.....	43,970,320	78,075,068
<i>Bronze</i>		
1 cent — 98% copper, 2% tin and zinc.....	279,076,334	484,655,322
	398,672,366	665,402,790

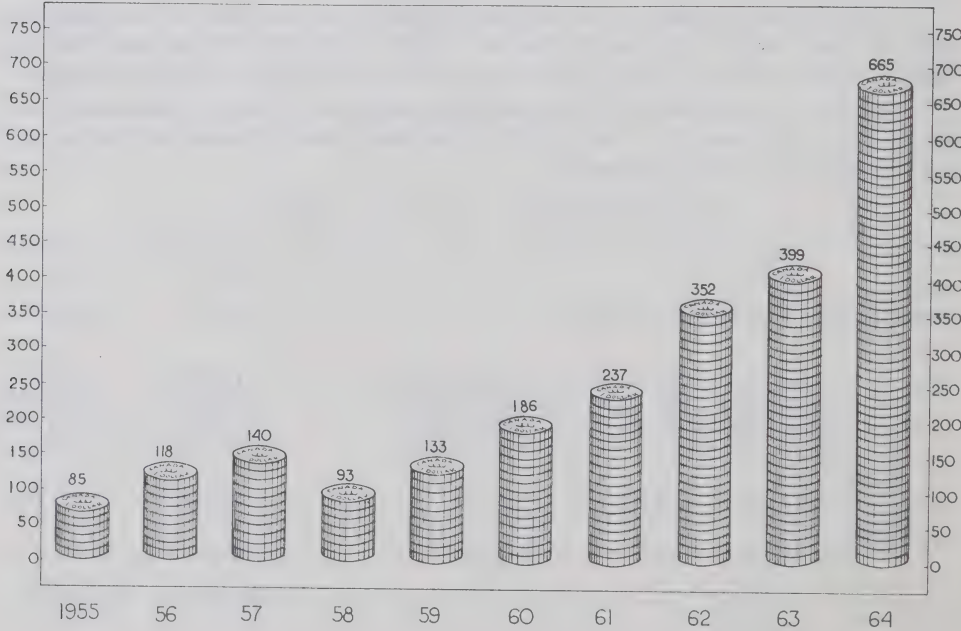
The above coinage for 1964 consists of 536 tons of silver, 1,830 tons of copper, 390 tons of nickel and 35 tons of tin and zinc.

The production of dollar pieces showed an increase of 74.5%, that of fifty cent pieces an increase of 12.3%, that of twenty-five cent pieces an increase of 72.2%, that of ten cent pieces an increase of 18.1%, that of five cent pieces an increase of 77.6%, and that of one cent pieces an increase of 73.7% as compared to production figures of 1963.

COINAGE ISSUE IN 1963 AND 1964

Canada	1963	1964
Denomination	\$	\$
<i>Silver Coin—</i>		
1 dollar .....	4,137,141.00	7,339,269.00
50 cents .....	4,173,749.50	4,672,271.50
25 cents .....	5,201,066.50	9,194,387.75
10 cents .....	4,176,711.50	4,947,225.60
Total Silver .....	17,688,668.50	26,153,153.85
<i>Nickel Coin—</i>		
5 cents .....	2,196,217.20	3,895,746.45
<i>Bronze Coin—</i>		
1 cent — .....	2,790,679.21	4,626,962.66
Total .....	22,675,564.91	34,675,862.96
Representing	Number of Pieces	
Total .....	398,048,286	643,544,814

COINAGE PRODUCED  
(MILLIONS OF PIECES)





## WORN AND MUTILATED COIN WITHDRAWN FROM CIRCULATION

	<i>Withdrawn</i>	<i>Net Increase in Circulation</i>
	\$	\$
Silver Coin .....	94,161.20	26,058,992.65
Nickel Coin—5 cents (mutilated only) .....	1,317.20	3,894,429.25
Tombac Coin—5 cents .....	3.10	.....
Steel Coin—5 cents .....	929.25	.....
Bronze Coin .....	1,394.70	4,625,567.96

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows :

<i>Agency</i>	<i>Silver</i>				<i>Nickel</i>	<i>Bronze</i>
	<i>Dollar</i>	<i>50 Cents</i>	<i>25 Cents</i>	<i>10 Cents</i>	<i>5 Cents</i>	<i>1 Cent</i>
	\$	\$	\$	\$	\$	\$
Calgary .....	471,000.00	568,000.00	885,000.00	584,000.00	459,000.00	309,000.00
Charlottetown .....	12,000.00	6,000.00	19,000.00	10,000.00	1,200.00	1,440.00
Halifax .....	177,000.00	71,000.00	265,000.00	185,000.00	105,000.00	117,000.00
Montreal .....	919,000.00	395,000.00	1,982,000.00	718,000.00	1,026,000.00	1,381,800.00
Ottawa .....	478,828.00	235,681.50	580,094.25	589,908.40	437,298.35	485,904.04
Regina .....	167,000.00	120,000.00	495,000.00	238,000.00	134,400.00	134,400.00
Saint John, N.B. ....	73,000.00	65,000.00	200,000.00	105,000.00	61,500.00	71,700.00
St. John's, Nfld. ....	14,000.00	80,000.00	130,000.00	86,000.00	48,000.00	28,500.00
Toronto .....	1,606,000.00	1,501,000.00	2,417,000.00	1,177,000.00	1,000,200.00	1,551,840.00
Vancouver .....	318,000.00	664,000.00	1,041,000.00	639,000.00	349,500.00	324,240.00
Winnipeg .....	241,000.00	140,000.00	767,000.00	450,000.00	190,800.00	204,600.00
Sundry Persons .....	2,862,441.00	826,590.00	413,293.50	165,317.20	82,848.10	16,538.62
Totals .....	7,339,269.00	4,672,271.50	9,194,387.75	4,947,225.60	3,895,746.45	4,626,962.66

## NUMISMATIC SECTION

The following table shows the distribution of uncirculated coin issued to Sundry Persons by the Numismatic Section for the year 1964 :

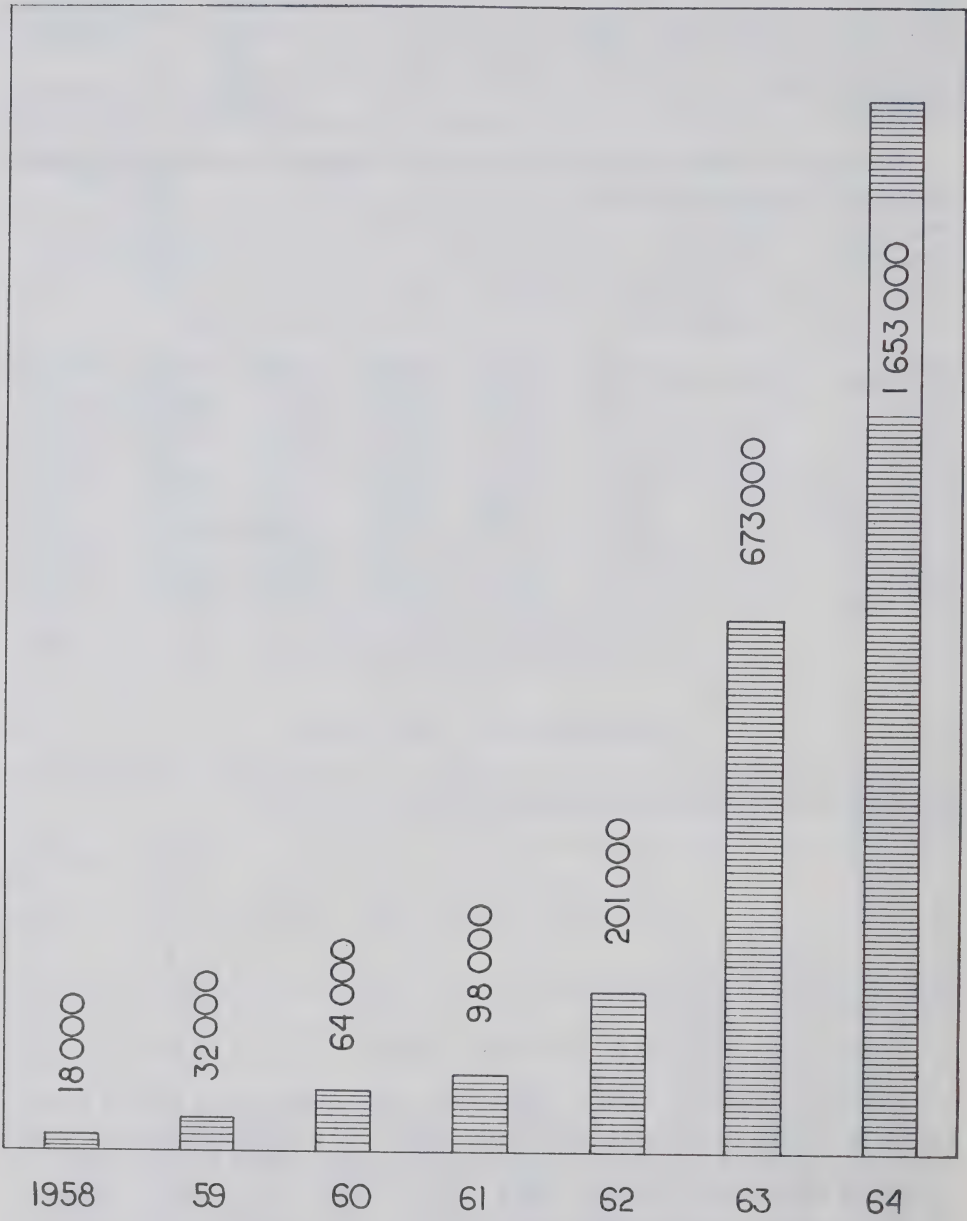
	<i>Silver</i>				<i>Nickel</i>	<i>Bronze</i>
	<i>Dollar</i>	<i>50 Cents</i>	<i>25 Cents</i>	<i>10 Cents</i>	<i>5 Cents</i>	<i>1 Cent</i>
	\$	\$	\$	\$	\$	\$
Issued in Mint Sets .....	1,653,162.00	826,581.00	413,290.50	165,316.20	82,658.10	16,531.62
Issued separately.....	1,209,279.00	9.00	3.00	1.00	190.00	7.00
Totals.....	2,862,441.00	826,590.00	413,293.50	165,317.20	82,848.10	16,538.62

The sale of uncirculated coin continued its rapid upward trend and the acceptance of orders had to be discontinued at the end of April. The figures shown in the above table represent two and one half times the number of sets and four times the number of silver dollars issued in 1963.

A number of additions were made to the staff during the year, but, with increased efficiency in the processing and packaging of orders, overtime was kept to a minimum.



UNCIRCULATED COIN ISSUES (SETS)



The details of the weights of silver bullion, bronze and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized in the following table :

<i>Canada</i>	<i>Bars Cast</i>	<i>Bars Rolled</i>	<i>Blanks Cut</i>	<i>Good Coin Produced</i>
	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>
Denomination				
<i>Silver, 800 fine</i>				
1 dollar.....	34,203,772.80	34,891,453.27	4,987,876.82	5,244,475.79
50 cents.....			3,802,828.00	3,521,094.52
25 cents.....			7,300,830.00	6,872,692.48
10 cents.....			3,800,229.00	3,729,558.19
Total Silver (Ozs. Troy) .....	34,203,772.80	34,891,453.27	19,893,763.82	19,367,820.98
Total Silver (Short Tons) .....	1,172.7	1,196.3	682.1	664.1
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
<i>Nickel</i>				
5 cents.....			<sup>b</sup> 849,149.67	782,815.17
<i>Bronze</i>		<sup>a</sup> 2,100,861.00		
1 cent.....	3,173,846.00	5,495,964.85	3,620,674.56	3,457,936.34
Total Nickel and Bronze (Short Tons) .....	1,586.9	*2,748.0	2,234.9	2,120.4
Grand Total (Short Tons) .....	2,759.6	3,944.3	**2,917.0	2,784.5
		*(a Not Included)	** (b Included)	

- a) Bronze strip purchased
- b) Nickel blanks purchased

In addition to 2,759 tons of coinage bars produced during the year, there were 53,997 ounces of worn and mutilated Canadian silver coins, which had been withdrawn from circulation, cast into 1,000-ounce ingots for assaying and conversion to 800 standard coinage bars. One thousand one hundred and eighty-four pounds of worn bronze coin were melted into one-cent coinage bars.

Seventy ounces of gold proof plate; 59 ounces of silver proof plate; 4,545 ounces of silver discs were produced for use in the Assay Division.

One thousand three hundred and seventy-three ounces of fine gold cathodes were rolled for use in the electrolysis plant of the Refinery Division.

The mean finenesses of the Silver Coinage struck in 1964 were as follows :

<i>Denomination</i>	<i>Standard</i>	<i>Mean Fineness</i>
1 dollar .....	800.00	798.81
50 cents .....	800.00	798.94
25 cents .....	800.00	798.87
10 cents .....	800.00	798.94

Samples from 44 shipments of nickel blanks (85,119,939 lbs.) were assayed and found to satisfy Mint specifications.

Two working trial plates, one each of gold and silver, were made and fixed against our standards.

Thirty-eight medals, 14 sets of replicas, and 192 crests were gold plated during the year.

Two suspected counterfeit coins were analysed. Of these coins, one 50c piece was found to be genuine and one 10c piece counterfeit.

The Gold Trial Plate sold during the year amounted to two ounces.

Due to a continuous increase in the demand for coins, the Assay Division was allocated the task of organizing an intensive Quality Control program to cover all phases of production. This naturally necessitated administrative and organizational changes which are presently underway. To this effect, new equipment and staff have already been added to the Division.

## GOLD BULLION

Four thousand nine hundred and ninety-two deposits of gold bullion were received during the year from Canadian Mining Companies and Sundry Persons. The composition of the deposits was as follows :

### *Fine Gold*

254 deposits weighing 265,196.502 ounces with a mean fineness of 996.903

### *Crude Bullion*

3,759 deposits weighing 3,015,130.879 ounces with an average fineness of 803.836 gold, 127.412 silver, and containing 6.875% base metal

### *Scrap (Jewellery and Dental)*

196 deposits, weighing 11,947.900 ounces with an average fineness of 444.304 gold and 89.932 silver.

### *Gold for Storage*

783 deposits weighing 666,746.185 ounces with an average fineness of 743.178 gold and 109.166 silver

The net value paid to depositors was 101,576,286.10. In addition the amount of fine gold issued to depositors was 501,173.902 ounces.

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.) :

	<i>Ounces Fine</i>
6,669 Trade bars transferred to Exchange Fund Account of Minister of Finance .....	2,664,494.197
Depositors—granulated and bars: Gold Storage 498,397.239. Gold Purchase 2,776.663 .....	501,173.902
Sales of fine gold .....	15.478
Trial Plate for assay purposes .....	2.091
Medals, etc. ....	13.905
Sweep .....	7,873.313
	<hr/> 3,173,572.886

This total shows a decrease of 293,981.273 ounces fine issued as compared with the year 1963.

Comparative Statement Showing Details of Gold Deposits Received for 1963 and 1964.

	Number of Deposits Received				Gross Ounces		
	1963	1964	Increase	Decrease	1963	1964	Decrease
Sale to Her Majesty .....	3,940	4,013	73	.....	3,224,340	3,270,054	45,714
For Storage .....	1,293	783	....	510	1,084,241	677,019	407,222
Jewellery and Miscellaneous .....	188	196	8	.....	11,394	11,948	554
Total Received .....	5,421	4,992	....	429	4,319,975	3,959,021	360,954

	Fine Gold Ounces				Fine Silver Ounces		
	1963	1964	Increase	Decrease	1963	1964	Decrease
Sale to Her Majesty .....	2,647,890	2,688,048	40,158	.....	525,314	458,026	67,288
For Storage .....	803,909	495,511	.....	308,398	.....	.....	.....
Jewellery and Miscellaneous ..	5,293	5,309	16	.....	.....	.....	.....
Total Received .....	3,457,092	3,188,868	.....	268,224	525,314	458,026	67,288

Details of origin of the bullion deposited, for sale to Her Majesty, and for storing during the year 1964 are shown in the following table :

<i>From Canadian Mines and Refineries</i>	<i>Sale to Her Majesty</i>		<i>Gold Storage</i>		<i>Total</i>		<i>Total Fine Silver</i>
	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Gross Weight</i>	<i>Fine Gold</i>	
	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>
Ontario .....	2,226,411.126	1,864,475.263	269,659.890	229,446.490	2,496,071.016	2,093,921.753	234,391.30
Quebec .....	634,857.540	499,914.902	46,468.430	12,049.701	681,325.970	511,964.603	125,542.39
British Columbia .....	116,472.220	94,045.044	3,154.450	2,901.232	119,626.670	96,946.276	17,847.70
Manitoba .....	39,483.640	28,690.563	.....	.....	39,483.640	28,690.563	5,127.45
Yukon Territory .....	70,720.340	56,711.663	.....	.....	70,720.340	56,711.663	11,548.37
North West Territories .....	181,956.860	133,815.662	357,736.260	261,386.531	539,693.120	395,202.193	62,488.48
Alberta .....	75.610	58.998	.....	.....	75.610	58.998	4.06
Nova Scotia .....	77.200	62.994	.....	.....	77.200	62.994	1.82
Total from Canadian Mines and Re- fineries .....	3,270,054.536	2,677,775.089	677,019.030	505,783.954	3,947,073.566	3,183,559.043	456,951.57
From Jewellery and Miscellaneous .....	11,947.900	5,308.499	.....	.....	11,947.900	5,308.499	1,074.50
Total .....	3,282,002.436	2,683,083.588	677,019.030	505,783.954	3,959,021.466	3,188,867.542	458,026.07
Fine Gold released by Mines from Gold Storage for sale to Her Majesty .....	.....	10,272.845	.....	10,272.845	.....	.....	.....
	3,282,002.436	2,693,356.433	677,019.030	495,511.109	3,959,021.466	3,188,867.542	458,026.07



The following table gives details of fine bullion produced during the year :

<i>Produced</i>	<i>Number</i>	<i>Gross Weight</i>	<i>Fine Weight</i>	<i>Average Assay</i>
		Ounces	Ounces	
Fine Gold Bars .....	6,638	2,658,531.550	2,652,019.096	997.5
Granulated Gold .....		2,944.500	2,944.206	999.9
Fine Silver Bars .....	408	449,067.09	448,977.09	999.8
Granulated Silver .....		7,054.56	7,053.45	999.8
Gold Trial Plate .....			2.091	
Finishing and Plating Medals .....			.466	
Storage—Gold Bars .....	1,055	422,722.459	421,705.639	997.6
Granulated Gold .....		70,789.450	70,781.504	999.9
Sweeps Sold—Gold .....			7,873.313	
Sweeps Sold—Silver .....			42,857.23	
Special Bars—Gold .....	3		10.478	
Museum Bar—Silver .....			3.92	
Medal Bar—Gold .....	1		46.023	
Medal Bar—Silver .....			32.32	

<i>Special Processes</i>	<i>Number</i>	<i>Gross Weight</i>
		Ounces
Remelts .....	158	69,830.500
Toughenings .....	6	1,239.380
		Pounds avoir-du-poids
Chloride Reduction .....		68,580.0
Sweeps .....	30	94,912.0

Details of the assays, etc., made during the year are shown hereunder :

*Gold*

Refinages .....	5,028	
Rough Gold .....	28,872	
Proofs .....	2,864	
Parting Proofs .....	730	
Parting Buttons .....	10,040	
		47,534

*Silver*

Standard Bars .....	15,369	
Pyx .....	5,171	
Proofs .....	736	
Fine Silver .....	2,301	
Miscellaneous .....	320	
		23,897

*Miscellaneous*

For the Marking Act Inspector .....	54	
Mint Residues (sweeps, etc.) .....	372	
		426
		71,857



## GOLD STORAGE

During the year eight mines deposited gold bullion at the Mint under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for storage.

The fine gold content of the bullion deposited under this heading during 1964 amounted to 495,511.109 ounces. Fine bullion amounting to 498,397.239 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## MEDALS, DIES AND SEALS

Four thousand four hundred and twenty-six pounds of tombac bars were cast for use in the Governor General's Medals, Canadian Forces Decoration Medals, Campaign Stars and other miscellaneous medals.

The following medals were struck and issued during 1964 :

For His Excellency, General The Right Honourable Georges P. Vanier, D.S.O., M.C., C.D.—	
Governor General's Medals, Silver, 925 fine .....	85
Governor General's Medals, Tombac .....	260
Governor General's Crests (gilded) .....	192
For Department of Defence Production—	
Canadian Forces Decoration Medals, Tombac .....	9,500
Canadian Forces Decoration Bars, Tombac .....	1,400
For Royal Canadian Mounted Police—	
Long Service Medals, Silver, 800 fine .....	24
Stars, Long Service, Silver, 925 fine .....	180
Bronze Stars .....	120
For the Professional Institute of the Public Service of Canada—	
Medals, Gold, 14 kt., (gilded) .....	14
Replicas of Medal, Thin Copper, Gold Plated .....	(pairs) 14
For The Royal Society of Canada—	
Flavelle Medal, Gold, 14 kt., (gilded) .....	1
Tyrrell Medal, Gold, Fine .....	1
Pierce Medal, Gold, 14 kt., (gilded) .....	1
For the Canadian Institute of Chartered Accountants—	
Chartered Accountancy Award, Gold, 18 kt. ....	1
For The Engineering Institute of Canada—	
Gzowski Medal, Gold, 10 kt. ....	2
Leonard Medal, Gold, 10 kt. ....	1
Ross Medal, Gold, 10 kt. ....	1
Julian C. Smith Medals, Silver, 925 fine .....	2
For The Dominion Drama Festival—	
The Massey Award, Coinage Bronze, Gold Plated .....	1
For The Royal Canadian Geographical Society—	
The Massey Medal, Silver, 800 fine, with gold finish .....	1
For The Royal Architectural Institute of Canada—	
Medals with suspension rings and with the words "Fellow of the Royal Architectural Institute of Canada" on the reverse, Tombac .....	44
Medals without suspension rings and plain reverses, Copper .....	24
For The Institute of Public Administration of Canada—	
Vanier Medal with wording on reverse in English, Gold, 14 kt. ....	1

For the Department of Transport—	
Patterson Medal, Silver, 925 fine .....	1
Webster Memorial Medal, Tombac .....	2
For the Government of Canada—	
Government Long Service Medals, Silver, 925 fine (English) .....	4

All the above medals except those for His Excellency, General The Right Honourable Georges P. Vanier, Department of Defence Production, and The Royal Architectural Institute of Canada were engraved with the name of the recipients.

## ENGINEERING DIVISION

During the greater part of 1964, the Engineering Division operated as a self-contained unit headed by its own chief. This division was separated from the Coining and Medal Division as the result of a reorganization instituted several years earlier.

The division worked on a 24 hour basis in an attempt to keep up with the momentous task of increased maintenance and production caused by the increase in coinage demands.

The two new coining presses that were received late in 1963 and four more that arrived shortly after were installed and made operational. These presses were installed in the Second Press Room, located in the basement of the new wing, of the Coining and Medal Division as mentioned in the 1963 Report. Four coil stock straighteners were installed on the blanking lines in the Cutting Room. These straighteners have performed an excellent job in flattening the coil strip prior to the blanking operation and thus improving the quality of the blanks.

Retooling for a new improved method of coining die production was completed, thus enabling us to produce dies faster and more economically than ever before. In order to keep pace with the increased die production, salt bath heat treating furnaces have been purchased and installed. A new gas operated fork lift truck was purchased to speed up material handling.

The increased maintenance, preventive maintenance, the installation of equipment, the manufacture of the various components required in coining work, medal work, and retooling made it necessary for both the Electrical and Mechanical Sections to work on a three shift and overtime basis for most of the year.

## GENERAL

Plate 1 shows the 1964 Dollar Reverse Design, which was described in the 1963 Annual Report.

The Minister of Finance, the Honourable Walter L. Gordon, announced that a competition open to artists, sculptors and designers residing in Canada or to Canadians living abroad would be held for the submission of coinage designs. A \$2,500 First Prize was offered for the winning designs in each of the six coinage denominations (One Cent, Five Cents, Ten Cents, Twenty-five Cents, Fifty Cents and Silver Dollar). These coins will be issued in 1967 to commemorate the One Hundredth Anniversary of Confederation. The competition will close on March 31, 1965.

A Panel of Judges was appointed to choose the six winning designs. This panel, under the Chairmanship of Mr. N. A. Parker, Master of the Royal Canadian Mint, is composed of the following members: Mr. R. B. Bryce, Deputy Minister of

Finance; Dr. Charles Comfort, Director, National Gallery of Canada; Dr. W. K. Lamb, Dominion Archivist; Miss Eleanor Milne, Sculptor, Ottawa; Mr. Marius Plamondon, Sculptor, Quebec City; Mr. L. Rasminsky Governor of the Bank of Canada; Mr. Douglas Ferguson, numismatist, Rock Island, Quebec; Mr. Alan Fleming, Toronto; Mr. Clair Stewart, Toronto; and Mr. Julien Hebert, Montreal all prominent designers and graphic artists. The winning designs and their descriptions will be published in the Annual Report for 1965.

Each year the popularity of the Mint increases as visitors continue to demand a view of the coining operations. In 1964, 62,700 visitors were accommodated. Many more had to be refused because of limited facilities for conducting these tours.

The Assay Commissioners, Dr. L. D. Calvert and Dr. A. F. Dunn of the National Research Council, and Mr. L. G. Ripley of the Department of Mines and Technical Surveys appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the currency of Canada struck at the Royal Canadian Mint during 1963 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge P. J. Macdonald, on the fifth day of May, 1964. The findings of the Commissioners, at the Trial of the Pyx, show that the weight and fineness of the coins tested were within the remedy as prescribed by law.

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by the Auditor General's Department in February.

On the 31st of December, 1964, the number of personnel on strength at the Mint was 312. Of this number, 62 were employed in the Administrative and Mint Office, 144 in the Coining and Medal Division, 52 in the Engineering Division, 17 in the Assay Division and 37 in the Refinery.

During the year, we lost the services of three senior officers who retired on pension. Mr. Charles GARDNER, Chief Administrative Officer, retired after completing twenty-four years service; Mr. Alfred VINCE, Chief of the Assay Division, on the completion of forty-four years service; and the Chief Mint Engraver, Mr. Thomas SHINGLES, after twenty-five years service.

Other retirements were: Mr. Frederick P. CASHEN, Mint Craftsman, after forty-five years service; Mr. Henry N. LACELLE, Storeman after twenty-four years service; Mr. John E. A. SOMERVILLE, Messenger, after eighteen years service, and Mr. Gordon S. STODDART, Chief Teller, retired to pension after forty-eight years service.

The 1964 production record was made possible by the unselfish efforts of the Mint staff who volunteered to work the thousands of man hours of required overtime.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, circulation of coin in Canada, statements of coinage and bullion operations for the calendar year 1964, and a proclamation prescribing a change in the obverse impression on coins of all denominations are appended herewith.

Respectfully submitted,  
N. A. PARKER  
*Master, Royal Canadian Mint.*



## APPENDIX A

Summary of transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931, to December 31, 1964.

<i>Year</i>	<i>Gold Received</i>			<i>Gold Issued</i>	
	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Coin</i>	<i>Bullion</i>	
	Ounces	Ounces	Ounces Fine	Ounces Fine	
1908 to 1954 .....	141,267,053.570	113,847,027.177	383,319.096	113,429,675.452	
1955 .....	4,878,918.379	3,947,636.509		3,952,764.485	
1956 .....	4,693,484.529	3,801,788.815		3,774,599.457	
1957 .....	4,798,296.343	3,896,083.563		3,776,710.677	
1958 .....	4,868,066.405	3,958,458.747		4,088,706.348	
1959 .....	4,805,493.520	3,908,640.185		3,836,679.842	
1960 .....	4,970,726.079	4,024,625.964		4,014,771.105	
1961 .....	4,745,639.352	3,800,137.419		3,812,054.286	
1962 .....	4,363,972.339	3,488,974.332		3,520,405.598	
1963 .....	4,319,975.360	3,457,091.639		3,467,554.159	
1964 .....	3,959,021.466	3,188,867.542		3,173,572.886	
	187,670,647.342	151,319,331.892	383,319.096	150,847,494.295	

# APPENDIX B (1) COIN ISSUED IN CANADA

		Silver					
		Dollar	50c	25c	20c	10c	5c
		\$	\$	\$	\$	\$	\$
1858 to 1907	New Brunswick, 1861, 2 and 4	.....	.....	.....	60,000	25,000	10,000
	Nova Scotia, 1861, 2 and 4	.....	.....	.....	.....	.....	.....
	Prince Edward Island, 1871	.....	.....	.....	.....	.....	.....
	Rest of Canada, 1858 - 1907	.....	1,249,018	5,094,978	150,000	3,040,000	2,926,000
	Totals	.....	1,249,018	5,094,978	210,000	3,065,000	2,936,000
		Gold					
		Sovereigns	\$10	\$5			
		£	\$	\$			
1908 to 1954	.....	627,834	3,480,380	1,388,070	.....	25,230,658.00	88,761,509.75
1955	.....	.....	.....	.....	.....	1,229,464.90	4,269,156.65
1956	.....	.....	.....	.....	.....	1,673,284.40	5,389,464.15
1957	.....	.....	.....	.....	.....	1,563,195.20	6,236,428.95
1958	.....	.....	.....	.....	.....	1,090,830.60	8,044,752.85
1959	.....	.....	.....	.....	.....	1,978,168.00	8,273,563.50
1960	.....	.....	.....	.....	.....	4,502,414.00	13,432,251.50
1961	.....	.....	.....	.....	.....	2,719,837.30	10,299,580.55
1962	.....	.....	.....	.....	.....	4,204,047.60	16,114,239.85
1963	.....	.....	.....	.....	.....	4,176,711.50	17,688,668.50
1964	.....	.....	.....	.....	.....	4,947,225.60	26,153,153.85
.....	.....	627,834	3,480,380	1,388,070	210,000	56,380,837.10	217,217,766.10

# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel		Tombac		Steel		Bronze	
	5c		5c		5c		1c	½c
1858 to 1907		New Brunswick, 1861, 2 and 4.		\$	\$	\$	\$	\$
		Nova Scotia, 1861, 2 and 4.					20,000	1,114
		Prince Edward Island, 1871.					26,000	4,000
		Rest of Canada, 1858 to 1907.					10,000	
							803,315	
Totals							859,315	5,114
1908 to 1954								
1955	7,857,647.80		1,407,824.50		3,463,238.60		11,753,086.86	
1956	267,801.00						566,863.07	
1957	469,992.70						786,855.35	
1958	366,493.10						1,004,220.54	
1959	379,616.00						578,274.13	
1960	576,680.40						829,116.42	
1961	1,735,707.00						748,101.00	
1962	2,512,368.65						1,417,543.73	
1963	2,324,211.65						2,284,924.80	
1964	2,196,217.20						2,790,679.21	
	3,895,746.45						4,626,962.66	
	22,582,481.95		1,407,824.50		3,463,238.60		28,245,942.77	5,114



# APPENDIX C

## CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER

Year	Silver	Nickel	Tombac	Steel	Bronze	Total	Per Capita
	\$	\$	\$	\$	\$	\$	\$
1905	10,487,774	.....	.....	.....	791,429	11,279,203	1.85
1910	14,327,662	.....	.....	.....	967,353	15,295,015	2.03
1915	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925	27,713,019	.....	.....	.....	2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1935	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1940	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38
1961	146,902,352	14,110,198	549,021	3,451,708	18,311,853	183,325,132	10.09
1962	162,928,707	16,433,088	549,009	3,450,676	20,595,543	203,957,023	11.06
1963	180,492,972	18,627,687	548,999	3,449,476	23,383,788	226,502,922	11.91
1964	206,551,965	22,522,116	548,996	3,448,547	28,009,356	261,080,980	13.43

# APPENDIX D

## ROYAL CANADIAN MINT COINAGE AND BULLION OPERATIONS, 1964

### GOLD PURCHASE ACCOUNT

	<i>Fine Ounces</i>	<i>Value</i>
Gold sold at various rates .....	2,675,175.647	\$100,997,547.46
Cost of Metal:		
Inventory, December 31, 1963 .....	164,878.259	6,215,061.75
Gold purchased at various rates .....	2,693,356.433	101,699,170.25
	2,858,234.692	\$107,914,232.00
Adjustment - Revaluation of gold - March 31, 1964 ....		1,422.49
		\$107,912,809.51
Inventory, December 31, 1964 .....	183,740.186	6,941,010.67
Cost of metal sold .....	2,674,494.506	\$100,971,798.84
Gain in refining credited to Consolidated Revenue Fund ...	681.141	\$ 25,748.62

### SILVER BULLION PURCHASE ACCOUNT

	<i>Value</i>	<i>Value</i>
Bullion sold or transferred to coinage .....		\$ 776,002.22
Cost of Sales		
Inventory, December 31, 1963 .....	\$ 354,500.27	-
Bullion purchased .....	664,593.80	
Treatment charges - Sweep .....	1,994.35	
	\$ 1,021,088.42	
Inventory, December 31 1964 .....	266,390.56	754,697.86
Net gain on operation credited to Consolidated Revenue Fund .....		\$ 21,304.35

### SILVER COINAGE ACCOUNT

Coin sold .....	\$	\$ 26,153,153.85
Cost of Sales		
Inventory, December 31, 1963 (at cost) .....	20,654,106.52	
Bullion and Alloy purchased or transferred .....	13,391,744.53	
Worn coin purchased (withdrawn for recoinage-face value)..	94,506.40	
	34,140,357.45	
Inventory, December 31, 1964 (at cost) .....	13,868,108.48	20,272,248.97
Net gain on coinage credited to Consolidated Revenue Fund .....		\$ 5,880,904.88

### NICKEL COINAGE ACCOUNT

Coin sold .....		\$ 3,895,746.45
Defaced and mutilated coin sold .....		622.25
		\$ 3,896,368.70
Cost of Sales		
Inventory, December 31, 1963 (at cost) .....	\$ 33,563.44	
Metal purchased .....	1,497,020.38	
Mutilated coin purchased (face value) .....	1,316.95	
	\$ 1,531,900.77	
Inventory, December 31, 1964 (at cost) .....	153,149.37	1,378,751.40
Net gain on coinage credited to Consolidated Revenue Fund .....		\$ 2,517,617.30

## APPENDIX — Concluded

### BRONZE COINAGE ACCOUNT

	<i>Value</i>	<i>Value</i>
Coin sold .....		\$ 4,626,962.66
Metal sold or transferred .....		<u>37,847.75</u>
		\$ 4,664,810.41
Cost of sales		
Inventory, December 31, 1963 .....	\$ 189,376.48	\$
Metal purchased .....	1,780,082.27	
Worn coin purchased (withdrawn for recoinage) .....	1,398.01	
Toll charges on copper residues .....	<u>844.08</u>	
	\$ 1,971,700.84	
Inventory, December 31, 1964 .....	<u>581,268.18</u>	<u>1,390,432.66</u>
Net gain on coinage credited to Consolidated Revenue Fund		<u><u>\$ 3,274,377.75</u></u>

### STEEL COINAGE ACCOUNT

Inventory, December 31, 1963 .....	\$	672.25
Mutilated coin purchased .....		<u>929.25</u>
	\$	1,601.50
Inventory, December 31, 1964 .....		<u>656.45</u>
Loss in destruction of mutilated coin by melting .....	\$	<u><u>945.05</u></u>

## APPENDIX E

E. M. HALL,  
*Deputy Governor General.*  
[L.S.]

### CANADA

ELIZABETH THE SECOND, by the Grace of God of the United Kingdom,  
Canada and Her other Realms and Territories QUEEN, Head of the Com-  
monwealth, Defender of the Faith.

TO ALL TO WHOM these Presents shall come or whom the same may in any-  
wise concern,

### GREETING:

### A PROCLAMATION

E. A. DRIEDGER, }  
*Deputy Attorney General,* } WHEREAS in and by section 8 of the Currency, Mint  
Canada. } and Exchange Fund Act, chapter 315 of the Revised  
Governor in Council may } Statutes of Canada, 1952, it is provided that Our  
by proclamation prescribe the dimensions and design  
of any coin.

AND WHEREAS it is desirable and Our Governor in Council has advised  
that a proclamation do issue prescribing that, effective the 2nd day of January,  
1965, the design for the obverse impression on coins of all denominations to be  
made under the provisions of the said Act shall be the effigy of Her Majesty  
Queen Elizabeth the Second, recently designed by Mr. Arnold Machin, R.A., and  
approved by Her Majesty for this purpose, together with the inscription "ELI-  
ZABETH II D.G. REGINA".

NOW KNOW YE that by and with the advice of Our Privy Council for  
Canada We do hereby authorize and prescribe that effective the 2nd day of  
January, 1965 the design for the obverse impression on coins of all denominations  
to be made under the provisions of the said Act shall be the effigy of Her Majesty  
Queen Elizabeth the Second, recently designed by Mr. Arnold Machin, R.A., and  
approved by Her Majesty for this purpose, together with the inscription "ELI-  
ZABETH II D.G. REGINA".

OF ALL WHICH OUR Loving Subjects and all others whom these Presents  
may concern are hereby required to take notice and to govern themselves accord-  
ingly.

IN TESTIMONY WHEREOF We have caused these Our Letters to be made  
Patent and the Great Seal of Canada to be hereunto affixed. WITNESS:  
the Honourable EMMETT MATTHEW HALL, a Puisne Judge of the  
Supreme Court of Canada and Deputy of Our Right Trusty and Wellbeloved  
Counsellor, General GEORGES P. VANIER, a member of Our Most Hon-  
ourable Privy Council, Companion of Our Distinguished Service Order upon  
whom We have conferred Our Military Cross and Our Canadian Forces'  
Decoration, Governor General and Commander-in-Chief of Canada.

AT OTTAWA, this fourth day of August in the year of Our Lord one thousand  
nine hundred and sixty-four and in the thirteenth year of Our Reign.

By Command,  
JEAN MIQUELON,  
*Deputy Registrar General of Canada.*



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Assays Gold .....	13	Heat Treating .....	15
Assays Miscellaneous .....	13		
Assays Nickel .....	10	Medal, Government of Canada .....	15
Assays Silver .....	13	Medals, Dies and Seals .....	14
		Medals, Gold Plated .....	13
Board of Judges - 1967 Competition ....	15	Medals Struck .....	14, 15
Bronze Bars Cast for Coinage .....	9	Mutilated Coin Withdrawn .....	7
Bronze Strip Purchases .....	9		
		Nickel .....	9
Chloride Reduction .....	13	Nickel Blanks Purchased .....	9
Coil Stock Straighteners .....	15	Numismatic Coin Issues .....	7
Coin Distribution .....	7		
Coin Withdrawn from Circulation .....	7	Proclamation - Obverse Coin Design ....	23
Coinage - 1967 Competition .....	15	Proof Plate Gold Produced .....	9, 10
Coinage in Circulation .....	20	Proof Plate Silver Produced .....	9
Coinage Issue 1963 and 1964 .....	6		
Coinage Issues Bronze .....	19	Quality Control .....	10
Coinage Issues Nickel .....	19		
Coinage Issues Silver .....	18	Remelts .....	13
Coinage Issues Steel .....	19		
Coinage Issues Tombac .....	19	Scrap (Jewellery and Dental) .....	10
Coinage Produced - 10 Previous Years ..	6	Silver Bars Cast for Coinage .....	9
Coinage Production 1963 and 1964 ....	5	Silver Bullion Produced .....	13
Coinage Die Production .....	15	Silver Coinage Mean Fineness .....	9
Coining Press Installation .....	15	Silvers Discs Produced .....	9
Copper Discs Produced .....	9	Silver Dollar Design - 1964 .....	16
Counterfeit Coins .....	10	Staff .....	5, 16
		Staff Retirements .....	16
Dollar - 1964 - Description .....	23	Stocktaking .....	16
		Sweep .....	13
Engineering Division .....	15		
General .....	16	Toughenings .....	13
Gold Bullion Deposits Received .....	10	Trial of the Pyx .....	16
Gold Bullion Produced .....	13		
Gold Bullion Transactions .....	17	Uncirculated Coin Issues .....	8
Gold Cathodes Rolled .....	9		
Gold Comparative Statement .....	11	Visitors .....	16
Gold Disposition .....	10		
		Worn Coin Melted .....	9
		Worn Coin Withdrawn .....	7



(ACTUAL SIZE 1.42" dia.)









(DIAMÈTRE RÉEL 1.42")

[illegible]

## APPENDICE E

E. M. HALL

*Suppléant du Gouverneur général.*  
[L.S.]

### CANADA

ELISABETH DEUX, par la Grâce de Dieu, REINE du Royaume-Uni, du Canada et de ses autres royaumes et territoires, Chef du Commonwealth, Défenseur de la Foi.

À TOUTS CEUX À QUI les présentes parviendront ou qu'icelles pourront de quel-  
que manière concerner,—SALUT :

### PROCLAMATION

E. A. DRIEDGER, { VU l'article 8 de la Loi sur la monnaie, l'Hôtel des  
Sous-procureur général, { monnaies et le fonds des changes, chapitre 315 des  
Canada. { Statuts révisés du Canada, 1952, lequel article stipule

que Notre Gouverneur en conseil peut par proclamation prescrire les dimensions et le dessin d'une pièce quelconque;

VU l'opportunité, et la recommandation de Notre Gouverneur en conseil, de lancer une proclamation prescrivant que, à compter du 2 janvier 1965, le dessin pour impression sur l'avvers des pièces de toutes valeurs à effectuer conformément aux dispositions de ladite Loi doit être l'effigie de Sa Majesté la Reine Elisabeth Deux, dessinée récemment par M. Arnold Machin, R.A., et approuvée par Sa Majesté à cette fin, ainsi que l'inscription « ELIZABETH II D.G. REGINA » :

SACHEZ DONC MAINTENANT que de et par l'avis de Notre conseil privé pour le Canada, Nous autorisons et prescrivons par les présentes que, à compter du 2 janvier 1965, le dessin pour impression sur l'avvers des pièces de toutes valeurs à effectuer conformément aux dispositions de ladite Loi doit être l'effigie de Sa Majesté la Reine Elisabeth Deux, dessinée récemment par M. Arnold Machin, R.A., et approuvée par Sa Majesté à cette fin, ainsi que l'inscription « ELIZABETH II D.G. REGINA ».

DE CE QUI PRÉCÈDE, Nos fîeaux sujets et tous ceux que les présentes peuvent concerner sont par les présentes requis de prendre connaissance et d'agir en conséquence.

EN FOI DE QUOI, Nous avons fait émettre Nos présentes Lettres Patentes et à icelles fait apposer le Grand Sceau du Canada. TÉMOIN : L'honorable EMMETT MATTHEW HALL, juge puîné de la Cour suprême du Canada et suppléant de Notre très fidèle et bien-aimé Conseiller, le général GEORGES P. VANIER, membre de Notre très honorable Conseil privé, Compagnon de Notre Ordre du Service Distingué, à qui Nous avons décerné Notre Croix Militaire et Notre Décoration des forces canadiennes, Gouverneur général et Commandant en chef du Canada.

À OTTAWA, ce quatrième jour d'août en l'an de grâce mil neuf cent soixante-quatre, le treizième de Notre Règne.

Par ordre,

*Le Sous-registrateur général du Canada,*

JEAN MIOUËLON.

COMPTE DE FRAPPE DE MONNAIE DE NICKEL

	Valeur		Valeur
Pièces vendues	3,895,746.45	vente de pièces mutilées ou usées	622.25
	\$ 3,896,368.70		
Coût des ventes		Existences au 31 décembre 1963 (au prix coûtant)	\$ 33,563.44
Achats de métal	1,497,020.38	Achats de pièces mutilées (valeur nominale)	1,316.95
Existences au 31 décembre 1964 (au prix coûtant)	\$ 1,531,900.77		
	153,149.37		
	1,378,751.40		
Bénéfices nets sur frappe de pièces crédités au Fonds du			
revenu consolidé	\$ 2,517,617.30		
Pièces vendues	4,626,962.66	Ventes ou transferts de métal	37,847.75
	\$ 4,664,810.41		
Coût des ventes		Existences au 31 décembre 1963	\$ 189,376.48
Achats de métal	1,780,082.27	Achats de pièces usées (retirées de la circulation en vue de nouvelle frappe)	1,398.01
Frais de transport sur résidus de cuivre	844.08		
Existences au 31 décembre 1964	\$ 1,971,700.84		
	581,268.18		
	1,390,432.66		
Bénéfices nets sur frappe de pièces crédités au Fonds du			
revenu consolidé	\$ 3,274,377.75		

COMPTE DE FRAPPE DE MONNAIE D'ACIER

Existence au 31 décembre 1963	\$ 672.25	Achats de pièces mutilées	929.25
Existences au 31 décembre 1964	\$ 1,601.50		
	656.45		
Perte résultant de destruction, par la fonte, de pièces mutilées	\$ 945.05		



# APPENDICE D

## MONNAIE ROYALE CANADIENNE

### OPÉRATIONS CONCERNANT LA MONNAIE ET LES LINGOTS, 1964

#### COMPTE D'ACHAT D'OR

Or vendu à divers taux .....	2,675,175.647	<i>Onces de fin</i>	<i>Valeur</i>	\$100,997,547.46
Coût du métal :				
Existences au 31 décembre 1963 .....	164,878.259			6,215,061.75
Or acheté à divers taux .....	2,693,356.433			101,699,170.25
Ajustement - Réévaluation de l'or - 31 mars 1964 .....	2,858,234.692			\$107,914,232.00
				1,422.49
Existences au 31 décembre 1964 .....	183,740.186			\$107,912,809.51
Coût du métal vendu .....	2,674,494.506			\$100,971,798.84
Bénéfices d'affinage crédités au Fonds du revenu consolidé .....	681,141			\$ 25,748.62

#### COMPTE D'ACHAT DE LINGOTS D'ARGENT

Lingots vendus ou transférés au monnayage .....		<i>Valeur</i>	<i>Valeur</i>	\$ 776,002.22
Coût des ventes				
Existences au 31 décembre 1963 .....	\$ 354,500.27			
Achat de lingots .....	664,593.80			
Frais de traitement - Balayures .....	1,994.35			
	\$ 1,021,088.42			
Existences au 31 décembre 1964 .....	266,390.56			754,697.86
Bénéfices nets sur opérations crédités au Fonds du revenu consolidé .....				\$ 21,304.36

#### COMPTE DE FRAPPE DE MONNAIE D'ARGENT

Pièces vendues .....	\$			\$ 26,153,153.85
Coût des ventes				
Existences au 31 décembre 1963 (au prix coûtant) .....	20,654,106.52			
Achats ou transferts de lingots et d'alliages .....	13,391,744.53			
Achats de pièces usées (retirées de la circulation en vue de nouvelle frappe - valeur nominale) .....	94,506.40			
Existences au 31 décembre 1964 (au prix coûtant) .....	34,140,357.45			
	13,868,108.48			20,272,248.97
Bénéfices nets sur frappe de pièces crédités au Fonds du revenu consolidé .....				\$ 5,880,904.88

# APPENDICE C

## PIÈCES DE MONNAIE DU CANADA EN CIRCULATION AU 31 DÉCEMBRE

Année	Argent	Nickel	Tombac	Acier	Bronze	Total	Par tête
1905	\$ 10,487,774	.....	.....	.....	\$ 791,429	\$ 11,279,203	\$ 1.85
1910	14,327,662	.....	.....	.....	967,353	15,295,015	2.03
1915	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925	27,713,019	.....	.....	.....	2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1935	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1940	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38
1961	146,902,352	14,110,198	549,021	3,451,708	18,311,853	183,325,132	10.09
1962	162,928,707	16,433,088	549,009	3,450,676	20,595,543	203,957,023	11.06
1963	180,492,972	18,627,687	548,999	3,449,476	23,383,788	226,502,922	11.91
1964	206,551,965	22,522,116	548,996	3,448,547	28,009,356	261,080,980	13.43

# APPENDICE B (2) PIÈCES DE MONNAIE ÉMISES AU CANADA

	Nickel		Tombac		Acier		Bronze	
	5c		5c		5c		1c	½c
<div> <div> 1858 à 1907 </div> <div> Nouveau-Brunswick, 1861, 2 et 4. Nouvelle-Écosse, 1861, 2 et 4. Île du Prince-Édouard, 1871. Reste du Canada, 1858 à 1907 </div> <div> Frappées en Angleterre </div> </div>	\$		\$		\$		\$	\$
	.....		.....		.....		20,000	1,114
	.....		.....		.....		26,000	4,000
	.....		.....		.....		10,000	.....
Totaux	.....		.....		.....		803,315	.....
	.....		.....		.....		859,315	5,114
1908 à 1954	7,857,647.80		1,407,824.50		3,463,238.60		11,753,086.86	.....
1955	267,801.00						566,863.07	.....
1956	469,992.70						786,855.35	.....
1957	366,493.10						1,004,220.54	.....
1958	379,616.00						578,274.13	.....
1959	576,680.40						829,116.42	.....
1960	1,735,707.00						748,101.00	.....
1961	2,512,368.65						1,417,543.73	.....
1962	2,324,211.65						2,284,924.80	.....
1963	2,196,217.20						2,790,679.21	.....
1964	3,895,746.45						4,626,962.66	.....
	22,582,481.95		1,407,824.50		3,463,238.60		28,245,942.77	5,114

# APPENDICE B (1) PIÈCES DE MONNAIE ÉMISES AU CANADA

Argent									
	Dollar	50c	25c	20c	10c	5c	Total Argent		
1858 à 1907	Nouveau-Brunswick 1861, 2 et 4	\$	\$	\$	\$	\$	\$	\$	
	Nouvelle-Ecosse 1861, 2 et 4	.....	.....	.....	60,000	25,000	10,000	95,000	
	Ile du Prince- Edouard, 1871	.....	.....	.....	.....	.....	.....	.....	
	Reste du Canada 1858 - 1907	.....	1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996	
	Totaux .....	.....	1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996	
Or									
Souverains									
1908 à 1954 ....	£	\$	\$						
1955 .....	627,834	3,480,380	1,388,070	5,593,050	15,606,083.50	39,246,916.25	25,230,658.00	3,084,802	88,761,509.75
1956 .....	.....	.....	.....	274,810	376,755.50	2,388,126.25	1,229,464.90	.....	4,269,156.65
1957 .....	.....	.....	.....	209,092	689,749.50	2,817,338.25	1,673,284.40	.....	5,389,464.15
1958 .....	.....	.....	.....	496,389	1,085,844.50	3,091,000.25	1,563,195.20	.....	6,236,428.95
1959 .....	.....	.....	.....	3,039,564	1,478,600.00	2,435,758.25	1,090,830.60	.....	8,044,752.85
1960 .....	.....	.....	.....	1,436,160	1,547,330.50	3,311,905.00	1,978,168.00	.....	8,273,563.50
1961 .....	.....	.....	.....	1,427,894	1,744,918.50	5,757,025.00	4,502,414.00	.....	13,432,251.50
1962 .....	.....	.....	.....	1,252,928	1,772,222.00	4,554,993.25	2,719,837.30	.....	10,299,580.55
1963 .....	.....	.....	.....	1,894,092	2,624,001.50	7,392,098.75	4,204,047.60	.....	16,114,239.85
1964 .....	.....	.....	.....	4,137,141	4,173,749.50	5,201,066.50	4,176,711.50	.....	17,688,668.50
.....	.....	.....	.....	7,339,269	4,672,271.50	9,194,387.75	4,947,225.60	.....	26,153,153.85
.....	627,834	3,480,380	1,388,070	27,100,389	37,020,544.50	90,485,193.50	210,000	56,380,837.10	6,020,802
.....	.....	.....	.....	.....	.....	.....	.....	.....	217,217,766.10

## APPENDICE A

Récapitulation des opérations ayant trait aux LINGOTS D'OR de la succursale d'Ottawa de la Monnaie royale, depuis son inauguration le 2 janvier 1908 jusqu'à la séparation, le 30 novembre 1931, et des opérations de la Monnaie royale canadienne depuis le 1<sup>er</sup> décembre 1931 jusqu'au 31 décembre 1964.

Année	Or reçu		Or émis	
	Poids brut	Or fin	Monnaie	Lingots
	Onces	Onces	Onces de fin	Onces de fin
1908 à 1954 .....	141,267,053.570	113,847,027.177	383,319,096	113,429,675.452
1955 .....	4,878,918.379	3,947,636.509	.....	3,952,764.485
1956 .....	4,693,484.529	3,801,788.815	.....	3,774,599.457
1957 .....	4,798,296.343	3,896,083.563	.....	3,776,710.677
1958 .....	4,868,066.405	3,958,458.747	.....	4,088,706.348
1959 .....	4,805,493.520	3,908,640.185	.....	3,836,679.842
1960 .....	4,970,726.079	4,024,625.964	.....	4,014,771.105
1961 .....	4,745,639.352	3,800,137.419	.....	3,812,054.286
1962 .....	4,363,972.339	3,488,974.332	.....	3,520,405.598
1963 .....	4,319,975.360	3,457,091.639	.....	3,467,554.159
1964 .....	3,959,021.466	3,188,867.542	.....	3,173,572.886
	187,670,647.342	151,319,331.892	383,319,096	150,847,494.295

Le Directeur de la Monnaie royale canadienne,  
N. A. PARKER

On trouvera en appendice des états des opérations ayant trait aux lingots d'or depuis l'inauguration de la Monnaie en janvier 1908, le détail des pièces de monnaie émises au Canada depuis 1858, le détail des pièces de monnaie en circulation au Canada, des états des opérations ayant trait à la Monnaie et aux lingots pour l'année civile 1964 ainsi qu'une proclamation prescrivant un chantage dans le dessin pour impression sur l'avers de toutes les pièces de monnaie. Veuillez agréer, monsieur le ministre, l'expression de mes sentiments respectueux.



(un cent, cinq cents, dix cents, vingt-cinq cents, cinquante cents et dollar d'argent) remporteront un Premier prix de \$2,500. Ces pièces seront émises en 1967 pour commémorer le centenaire de la Confédération canadienne. Le concours prendra fin le 31 mars 1965.

Un jury a été nommé afin de choisir les six dessins primés. Ce jury, présidé par M. N. A. Parker, directeur de la Monnaie royale canadienne, se compose des membres suivants : M. R. B. Bryce, sous-ministre des Finances; M. Charles Comfort, directeur de la Galerie nationale du Canada; M. W. K. Lamb, conservateur des archives fédérales; Mlle Eleanor Milne, sculpteur, Ottawa; M. Marius Plamondon, sculpteur, Québec; M. L. Rasminsky, numismate, Rock Island, Québec; M. Alan Canada; M. Douglas Ferguson, numismate, Rock Island, Québec; M. Alan Fleming, Toronto; M. Clair Stewart, Toronto; et M. Julien Hébert, Montréal, qui sont tous éminemment connus dans le domaine du dessin et de l'art graphique. Les dessins primés ainsi que leurs descriptions paraîtront dans le rapport annuel de 1965.

La popularité de la Monnaie ne cesse de s'accroître chaque année, si l'on en juge par le nombre des visiteurs qui demandent à voir les opérations de frappe. En 1964, la Monnaie a admis 62,700 visiteurs, et nombre d'autres se sont vu refuser l'entrée faute de locaux et d'aménagements suffisants.

Le 5 mai 1964, Son Honneur le juge P. J. MacDonald a assermenté les commissaires nommés en vertu des dispositions de la Loi sur la monnaie aux fins de contrôler si les pièces de monnaie du Canada frappées à la Monnaie royale canadienne en 1963 l'avaient été en conformité des dispositions de ladite loi. Ces commissaires sont : M. L. D. Calvert et M. A. F. Dunn du Conseil national de recherches et M. L. C. Ripley du ministère des Mines et des Relevés techniques. Les constatations des commissaires lors du contrôle des monnaies démontrent que le poids et le titre des pièces qui ont fait l'objet d'essai étaient dans les limites de la tolérance prévue par la loi.

Le bureau de l'Auditeur général a fait en février l'inventaire et l'inspection annuel des lingots et pièces de monnaie en main, ainsi que le prescrit la loi créant la Monnaie royale canadienne.

Au 31 décembre 1963, l'effectif de la Monnaie comptait 312 employés, dont 62 au Bureau de l'Administration et de la Monnaie, 144 à la Division du monnayage et des médailles, 52 à la Division de l'entretien technique, 17 à la Division de l'essai et 37 à l'Affinage.

Au cours de l'année, la Monnaie a été privée des services de trois fonctionnaires supérieurs qui ont pris leur retraite. M. Charles GARDNER, agent en chef de l'Administration, s'est retiré après vingt-quatre ans de service; M. Alfred VINCE, chef de la Division de l'essai, après quarante-quatre ans de service; et M. Thomas SHINGLES, graveur en chef de la Monnaie, après vingt-cinq ans de service.

Voici les autres employés qui ont pris leur retraite; M. Frederick P. CASHEN, artisan de la Monnaie, après quarante-cinq ans de service; M. John E. A. SOMERVILLE, magasinier, après vingt-quatre ans de service; M. John S. STODDART, chef du messager, après dix-huit ans de service; et M. Gordon S. STODDART, chef du comptage, a été retraité après quarante-huit ans de service.

La production sans précédent enregistrée en 1964 a été atteinte grâce au dévouement des employés de la Monnaie qui ont volontairement accompli, en surtemps, une somme de travail représentant des milliers d'heures-hommes.





# ENTREPOSAGE DE L'OR

Dans l'année, huit mines ont déposé des lingots d'or à la Monnaie en vertu des dispositions des Règlements qui prescrivent les circonstances et les conditions dans lesquelles la Monnaie Royale canadienne accepte de l'or pour entreposage. La teneur d'or fin des lingots déposés en vertu de tel arrangement au cours de 1964 représentait 495,511.109 onces. Des lingots d'or fin représentant 498,397.239 onces ont été délivrés pour le compte des mines en vue d'exportation et à différents fabricants pour les besoins du marché canadien.

## MÉDAILLES, COINS ET SCEAUX

Quatre mille quatre cent vingt-six livres de barres de tombac ont été coulées pour la confection de médailles du Gouverneur général, médailles de décoration des forces canadiennes, étoiles de campagne et autres médailles diverses.

Les médailles suivantes ont été frappées et émises en 1964 :

Pour Son Excellence le très honorable Général Georges-P. Vanier, D.S.O.,

M.C., C.D.—

Médailles du Gouverneur général, argent, 925 de fin ..... 85

Escussons du Gouverneur général, tombac ..... 260

Pour le ministère de la Production de défense—

Médailles de décoration des forces canadiennes, tombac ..... 9,500

Agrafes de décoration des forces canadiennes, tombac ..... 1,400

Pour la Gendarmerie royale du Canada—

Médailles d'ancienneté de service, argent, 800 de fin ..... 24

Etoiles de bronze ..... 180

Etoiles de service, argent, 925 de fin ..... 120

Pour l'Institut professionnel du service public du Canada—

Médailles, or, 14 carats (dorées) ..... 14

Reproductions de médailles, cuivre mince, doublées d'or ..... (patres) 14

Pour la Société royale du Canada—

Médaille Flavie, or, 14 carats, (dorée) ..... 1

Médaille Tyrell, or fin ..... 1

Médaille Pierce, or, 14 carats, (dorée) ..... 1

Pour l'Institut canadien des comptables agréés—

Prix en comptabilité, or, 18 carats ..... 1

Pour l'Engineering Institute of Canada—

Médaille Gzowski, or, 10 carats ..... 2

Médaille Léonard, or, 10 carats ..... 1

Médaille Ross, or, 10 carats ..... 1

Médailles Julian C Smith, argent, 925 de fin ..... 2

Pour le Festival d'art dramatique du Canada—

Prix Massey, bronze de frappe, doré ..... 1

Pour la Royal Canadian Geographical Society—

Médaille Massey, argent, 800 de fin, finie d'or ..... 1

Pour le Royal Architectural Institute of Canada—

Médailles munies d'anneaux de suspension portant au revers les mots "Fellow of the Royal Architectural Institute of Canada", tombac ..... 44

Médailles sans anneaux de suspension ni impression au verso, cuivre ..... 24

Pour l'Institute of Public Administration of Canada—

Médaille Vanier avec inscription en anglais au verso, or, 14 carats ..... 1

Le tableau suivant donne la décomposition de la production de métal fin pendant l'année :

<i>Production</i>				<i>Poids du métal fin</i>		<i>Titre moyen</i>
	<i>Nombre</i>	<i>Poids brut</i>	<i>Onces</i>	<i>Onces</i>		
Barres d'or fin .....	6,638	2,658,531.550	2,652,019.096	997.5		
Or granulé .....		2,944.500	2,944.206	999.9		
Barres d'argent fin .....	408	449,067.09	448,977.09	999.8		
Argent granulé .....		7,054.56	7,053.45	999.8		
Plaque d'essai d'or .....			2.091			
Finition et placage de médailles .....			.466			
Entreposage—Barres d'or .....	1,055	422,722.459	421,705.639	997.6		
Or granulé .....		70,789.450	70,781.504	999.9		
Balayures vendues—Or .....			7,873.313			
Balayures vendues—Argent .....			42,857.23			
Barres spéciales—Or .....	3		10.478			
Barre de musée—Argent .....			3.92			
Barre à médailles—Or .....	1		46.023			
Barre à médailles—Argent .....			32.32			

<i>Procédés spéciaux</i>				<i>Nombre</i>	<i>Poids brut</i>
Refontes .....	158	6	69,830.500		Onces
Durcissemments .....			1,239.380		Livres
			94,912.0		avoir-du-poids
Réduction au chlorure .....	30		68,580.0		
Balayures .....			94,912.0		

Voici le détail des essais, etc., exécutés au cours de l'année :

<i>Or</i>			
Affinage .....	5,028		
Or brut .....	28,872		
Epreuves .....	2,864		
Epreuves de séparation .....	730		
Résidus de séparation .....	10,040		
<i>Argent</i>			
Barres réglementaires .....	15,369		
Contrôle des monnaies .....	5,171		
Epreuves .....	736		
Argent fin .....	2,301		
Divers .....	320		
<i>Divers</i>			
Pour l'inspecteur en vertu de la Loi sur le poinçonnage des métaux précieux .....	54		
Résidus de monnayage (balayures, etc.) .....	372		
	426		
			71,857

Le tableau suivant fait voir la provenance des lingots d'or et d'argent en dépôt aux fins de vente à Sa Majesté et d'entreposage en 1964 :

<i>De mines et d'affineries du Canada</i>	<i>Vente à Sa Majesté</i>		<i>Entreposage d'or</i>		<i>Total</i>		<i>Total Argent fin</i>
	<i>Poids brut</i>	<i>Or fin</i>	<i>Poids brut</i>	<i>Or fin</i>	<i>Poids brut</i>	<i>Or fin</i>	
	Onces	Onces	Onces	Onces	Onces	Onces	Onces
Ontario .....	2,226,411.126	1,864,475.263	269,659.890	229,446.490	2,496,071.016	2,093,921.753	234,391.30
Québec .....	634,857.540	499,914.902	46,468.430	12,049.701	681,325.970	511,964.603	125,542.39
Colombie-Britannique .....	116,472.220	94,045.044	3,154.450	2,901.232	119,626.670	96,946.276	17,847.70
Manitoba .....	39,483.640	28,690.563	.....	.....	39,483.640	28,690.563	5,127.45
Territoire du Yukon .....	70,720.340	56,711.663	.....	.....	70,720.340	56,711.663	11,548.37
Territoires du Nord-Ouest .....	181,956.860	133,815.662	357,736.260	261,386.531	539,693.120	395,202.193	62,488.48
Alberta .....	75,610	58,998	.....	.....	75,610	58,998	4.06
Nouvelle-Ecosse .....	77.200	62.994	.....	.....	77.200	62.994	1.82
<hr/>							
Total, de mines et d'affineries du Canada .....	3,270,054.536	2,677,775.089	677,019.030	505,783.954	3,947,073.566	3,183,559.043	456,951.57
De bijouterie et divers .....	11,947.900	5,308.499	.....	.....	11,947.900	5,308.499	1,074.50
<hr/>							
Total .....	3,282,002.436	2,683,083.588	677,019.030	505,783.954	3,959,021.466	3,188,867.542	458,026.07
Or fin libéré d'entrepôt par les entreprises minières pour vente à Sa Majesté .....	.....	10,272.845	.....	10,272.845	.....	.....	.....
<hr/>							
	3,282,002.436	2,693,356.433	677,019.030	495,511.109	3,959,021.466	3,188,867.542	458,026.07



État comparatif des dépôts d'or reçus pour 1963 et 1964.

	Nombre de dépôts reçus				Onces brutes			
			Augmen- tation	Diminution			Augmen- tation	Diminution
	1963	1964			1963	1964		
Ventes à Sa Majesté .....	3,940	4,013	73	.....	3,224,340	3,270,054	45,714	.....
Pour entreposage .....	1,293	783	....	510	1,084,241	677,019	.....	407,222
Bijouterie et divers .....	188	196	8	.....	11,394	11,948	554	.....
Total reçu .....	5,421	4,992	....	429	4,319,975	3,959,021	.....	360,954
<i>Or, onces de fin</i>								
Ventes à Sa Majesté .....	2,647,890	2,688,048	40,158	.....	525,314	458,026	.....	67,288
Pour entreposage .....	803,909	495,511	.....	308,398	.....	.....	.....	.....
Bijouterie et divers .....	5,293	5,309	16	.....	.....	.....	.....	.....
Total reçu .....	3,457,092	3,188,868	.....	268,224	525,314	458,026	.....	67,288
<i>Argent, onces de fin</i>								



A l'essai, des échantillons tirés de 44 expéditions de flans de nickel (85,119,939 livres) se sont révélés conformes aux prescriptions de la Monnaie. Deux plaques de travail d'essai, l'une d'or, l'autre d'argent, ont été confectonnées puis étalonnées suivant nos titres réglementaires. Trente-huit médailles, 14 jeux de reproductions et 192 écussons ont été dorés pendant l'année.

On a fait l'analyse de deux pièces de monnaie soupçonnées fausses. Il s'agit d'une pièce de 50 cents qui a été trouvée authentique et d'une pièce de dix cents qui a été déclarée fausse.

Les plaques d'essai d'or vendues pendant l'année représentent un poids de deux onces.

En raison de l'augmentation soutenue de la demande de pièces, la Division de l'essai a été chargée de dresser un programme intensif de contrôle de la qualité devant englober toutes les phases de la production. La mise en oeuvre d'un tel programme a nécessité, il va sans dire, des changements d'ordre administratif et d'organisation qui sont maintenant en voie de réalisation. A cette fin, la Division a déjà engagé de nouveaux employés et fait l'acquisition de nouvel outillage.

## LINGOTS D'OR

Quatre mille neuf cent quatre-vingt douze dépôts de lingots d'or ont été reçus dans l'année de sociétés minières canadiennes et de diverses personnes. Voici la composition des dépôts :

### Or — fin

254 dépôts pesant 265,196.502 onces d'un titre moyen de 996.903

### Matières brutes —

3,759 dépôts pesant 3,015,130.879 onces d'un titre moyen de 803.836 d'or, 127.412 d'argent, et contenant 6.875 p. 100 de métaux communs

### Rebuts (bijouterie et prothèse dentaire)

196 dépôts, pesant 11,947,900 onces d'un titre moyen de 444.304 d'or et 89.932 d'argent

### Or pour entreposage —

783 dépôts pesant 666,746.185 onces d'un titre moyen de 743.178 d'or et 109.166 d'argent

La valeur nette payée aux déposants s'élevait à \$101,576,286.10. En plus, 501,173.902 onces d'or fin a été remis aux déposants.

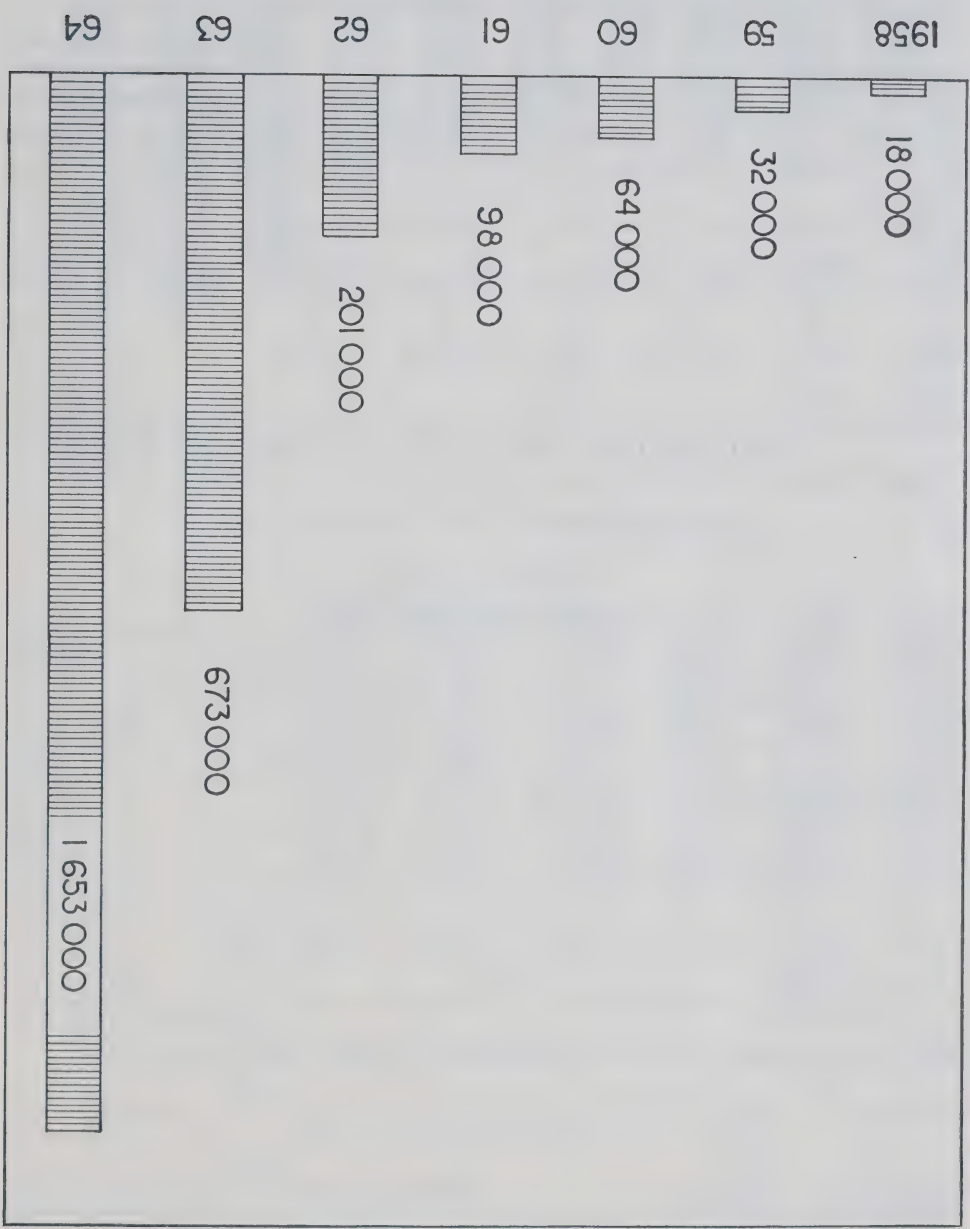
Le tableau ci-après fait voir la disposition de l'or fin produit sous différentes formes (barres pour le commerce, or granulé, balayures, médailles, etc.) :

Onces de fin	
6,669 barres de commerce transportées au Compte du Fonds des	changes du ministre des Finances .....
Achat d'or .....	2,776.663
Dépôts—or granulé et en barres : Entreposage d'or .....	498,397.239
Ventes d'or fin .....	501,173.902
Plaques d'essai pour fins d'épreuves .....	2.091
Médailles, etc. ....	13.905
Balayures .....	7,873.313
<hr/>	
3,173,572.886	

Ce total accuse une diminution de 293,981.273 onces de fin sur le total correspondant de l'année 1963.



ÉMISSIONS DE PIÈCES NEUVES (ENSEMBLES)



PIÈCES, USÉES ET MUTILÉES, RETIRÉES DE LA CIRCULATION

Augmentation nette de la quantité en circulation				
	Retirées			
	\$	\$		
Pièces d'argent	94,161.20	1,317.20		
Pièces de nickel—5 cents (mutilées seulement)	26,038,992.65	3,894,429.25		
Pièces de tomбак—5 cents		3.10		
Pièces d'acier—5 cents	929.25			
Pièces de bronze	1,394.70	4,625,567.96		

Répartition des pièces émises aux différentes agences de la Banque du Canada et à diverses personnes :

Agence	Argent	Nickel	Bronze
Dollar	50 Cents	25 Cents	10 Cents
Calgary	471,000.00	568,000.00	885,000.00
Charlottetown	12,000.00	6,000.00	19,000.00
Halifax	177,000.00	71,000.00	265,000.00
Montréal	919,000.00	395,000.00	1,982,000.00
Ottawa	478,828.00	235,681.50	580,094.25
Régina	167,000.00	120,000.00	495,000.00
Saint-Jean (N.-B.)	73,000.00	65,000.00	200,000.00
St-Jean (T.-N.)	14,000.00	80,000.00	130,000.00
Toronto	1,606,000.00	1,501,000.00	2,417,000.00
Vancouver	318,000.00	664,000.00	1,041,000.00
Winnipeg	241,000.00	140,000.00	767,000.00
Diverses personnes	2,862,441.00	826,590.00	413,293.50
Totaux	7,339,269.00	4,672,271.50	9,194,387.75
	\$	\$	\$
	50 Cents	25 Cents	10 Cents
	Dollar	50 Cents	25 Cents

SECTION DE LA NUMISMATIQUE

Le tableau ci-dessous donne la répartition des pièces neuves émises à différentes personnes par la Section de la numismatique pour l'année 1964.

		Argent		Nickel		Bronze
		Dollar	50 Cents	25 Cents	10 Cents	5 Cents
Emissions par ensemble	1,653,162.00	826,581.00	413,290.50	165,316.20	82,658.10	16,531.62
Emissions séparément	1,209,279.00	9.00	3.00	1.00	190.00	7.00
Totaux	2,862,441.00	826,590.00	413,293.50	165,317.20	82,848.10	16,538.62

La vente de pièces neuves ayant continué de s'accroître rapidement, il a été nécessaire de discontinuer l'acceptation de commandes à la fin d'avril. Pour ce qui est de l'émission d'ensembles de pièces et de l'émission de dollars d'argent, les montants ci-dessus sont deux fois et demie et quatre fois plus élevés, respectivement, que les chiffres de 1963.

Le personnel s'est accru de quelques employés pendant l'année; toutefois, le surtemps a pu être maintenu au minimum grâce à de meilleures méthodes de traitement et d'emballage des commandes.



Les pièces de monnaie frappées en 1964, selon le tableau ci-dessus, représentent 536 tonnes d'argent, 1,830 tonnes de cuivre, 390 tonnes de nickel et 35 tonnes de zinc et d'étain.

Par rapport à 1963, la production de pièces d'un dollar accuse une augmentation de 74.5 p. 100; celle des pièces de cinquante cents, une augmentation de 12.3 p. 100; celle des pièces de vingt-cinq cents, une augmentation de 72.2 p. 100; celle des pièces de dix cents, une augmentation de 18.1 p. 100; celle des pièces de cinq cents, une augmentation de 77.6 p. 100 et celle des pièces d'un cent, une augmentation de 73.7 p. 100.

# PIÈCES ÉMISES EN 1963 ET 1964

Canada		1963		1964	
Valeur		\$		\$	
<i>Pièces d'argent—</i>					
1 dollar	4,137,141.00			7,339,269.00	
50 cents	4,173,749.50			4,672,271.50	
25 cents	5,201,066.50			9,194,387.75	
10 cents	4,176,711.50			4,947,225.60	
Total, pièces d'argent	17,688,668.50			26,153,153.85	
<i>Pièces de nickel—</i>					
5 cents	2,196,217.20			3,895,746.45	
<i>Pièces de bronze—</i>					
1 cent	2,790,679.21			4,626,962.66	
Total	22,675,564.91			34,675,862.96	
Représentant				Nombre de pièces	
Total	398,048,286			643,544,814	

## PIÈCES PRODUITES

(MILLION DE PIÈCES)





MONNAIE ROYALE CANADIENNE

L'honorable

ministre des Finances

Ottawa.

Monsieur le ministre,

J'ai l'honneur de vous présenter le rapport ci-joint sur l'activité de la Monnaie royale canadienne pour l'année civile 1964.

FRAPPE DE MONNAIE

Pendant l'année civile 1964, la demande de pièces de monnaie a poursuivi la poussée ascendante qui s'est manifestée depuis quelques années. Pour la sixième année consécutive, la production de pièces atteint un nouveau sommet, soit six cent soixante-cinq millions de pièces. Cela représente une augmentation de 66,9 p. 100 sur la production de trois cent quatre-vingts millions de pièces enregistrée en 1963. Les six nouveaux balanciers à grande vitesse installés par la Division de l'en-tretien technique ont servi exclusivement à la fabrication de pièces de bronze. La production de pièces d'un cent représente 72,75 p. 100 de la production globale de pièces pendant l'année. Sans ces nouveaux balanciers, il n'aurait pas été possible d'atteindre cet objectif.

Malgré le travail continu du personnel des services de production, en deux équipes et à temps supplémentaires, il est devenu manifeste, vers le milieu de l'année, que nos installations de fonte seraient incapables de répondre aux besoins. Afin de faire face à cet état d'urgence, la Monnaie a décidé d'acheter une partie de ses bandes de bronze de sources commerciales. Bien qu'elle ait apporté un soulage-ment, cette mesure n'était pas encore suffisante. En septembre, la Monnaie a conclu des arrangements en vue d'acheter la totalité de ses bandes de bronze du fournisseur et de lui vendre les rognures de bronze.

Cela a permis à nos sections de fonte et de laminage de se consacrer à la fabri-cation des bandes d'argent. Une partie de l'effectif des sections de laminage et de fonte a été affectée à la salle des balanciers afin d'y constituer une troisième équipe complète.

Voici des états comparatifs de la production et de l'émission de pièces en 1963 et 1964, selon la valeur, et un graphique de la frappe des pièces de monnaie au cours des dix dernières années :

PRODUCTION DE PIÈCES EN 1963 ET 1964

Canada		1963		1964	
Valeur—Composition métallique		Pièces	Pièces	Pièces	Pièces
Argent	1 dollar—800 parties d'argent, 200 parties de cuivre	4,179,981	7,296,832	9,377,676	7,296,832
	50 cents—800 parties d'argent, 200 parties de cuivre	8,348,871	36,479,343	49,518,549	36,479,343
	25 cents—800 parties d'argent, 200 parties de cuivre	21,180,652	41,916,208	49,518,549	36,479,343
Nickel	10 cents—800 parties d'argent, 200 parties de cuivre	43,970,320	78,075,068	43,970,320	78,075,068
	5 cents—nickel pur	279,076,334	484,655,322	279,076,334	484,655,322
Bronze		398,672,366	665,402,790	398,672,366	665,402,790



## PREFACE

Inauguré le 2 janvier 1908, l'Hôtel des monnaies d'Ottawa était d'abord une succursale de la Monnaie royale de Londres en vertu de la loi impériale connue sous le nom de Coinage Act, 1870. Le chapitre 48, 21-22 Geo. V, en a fait un service du ministère des Finances et par une proclamation du 14 novembre 1931, il est devenu, depuis le 1<sup>er</sup> décembre 1931, la Monnaie royale canadienne.

Les principales fonctions de la Monnaie sont la fabrication de pièces de monnaie canadiennes et étrangères; l'affinage de l'or et de l'argent; l'acquisition de l'or, de l'argent et d'autres métaux, ces acquisitions étant payées d'après le résultat des essais de la Monnaie; la régie, la préparation et le mouvement des expéditions d'or et de pièces de monnaie; la garde des avoirs de la Monnaie en métaux monétaires, y compris les pièces de monnaie et les métaux précieux à différents stades de transformation, jusqu'à ce que les pièces soient terminées et mises en circulation; la fabrication et la gravure de coins pour la frappe de monnaie, de médailles, de signatures et de sceaux officiels; la vente d'ensembles de pièces neuves aux collectionneurs et l'application des différents règlements édictés en vertu de la Loi sur la monnaie, l'Hôtel des monnaies et le fonds des changes, S.R. 1952, ch. 315.

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Ministre des Finances

*concernant l'année civile 1964*

DIRECTEUR DE LA MONNAIE  
ROYALE CANADIENNE  
*du*

RAPPORT

CANADA  
MINISTÈRE DES FINANCES







Publié par ordre de l'honorable Walter L. Gordon, ministre des Finances

Concernant l'année civile 1964

# RAPPORT DU DIRECTEUR DE LA MONNAIE ROYALE CANADIENNE

MINISTÈRE DES FINANCES



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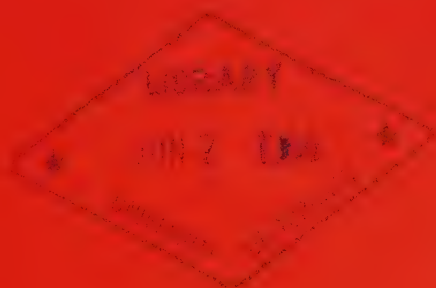
(DEPARTMENT OF FINANCE)

Canada

ROYAL CANADIAN MINT

REPORT of the Master

(For Calendar Year 1965)



(Published by authority of Honourable Mitchell W. Sharp, Minister of Finance)





CANADA  
DEPARTMENT OF FINANCE

REPORT  
*of the*  
MASTER OF THE  
ROYAL CANADIAN MINT

*For Calendar Year 1965*

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1966

## PREFACE

The Ottawa Mint, established as a branch of the Royal Mint, London, under the (Imperial) Coinage Act, 1870, and opened January 2, 1908, was by 21-22 Geo. V, ch. 48, constituted a branch of the Department of Finance and by the Proclamation of November 14, 1931, it has since December 1, 1931, operated as the Royal Canadian Mint.

The principal functions of the Mint are the execution of domestic and foreign coin; the refining of gold and silver; the acquisition of gold, silver and other metals, payments for which are made on the basis of Mint assays; the control, preparation and movement of gold and coin shipments; the safeguarding of Mint holdings of monetary metals, including coin and precious metals in various processing stages until finished and issued; the fabrication and engraving of dies for coinage, medals, signatures and official seals; the issue of coin sets to numismatists and the administration of various regulations issued under the terms and provisions of the Currency, Mint and Exchange Fund Act, RS 1952, ch. 315.

CORRECTION

Paragraph 2 under COINAGE dealing with percentage increase should read as follows:

"The percentage increase, by denomination, of silver coinage was: 1 dollar, 47.6%; 50 cents, 34.7%; 25 cents, 22.6%; 10 cents, 15.0% over 1964 production records. In addition, the production of five cents increased by 8.7%."

## ROYAL CANADIAN MINT

The Honourable,  
The Minister of Finance,  
OTTAWA.

Sir:

I have the honour to submit the following Report on the work of the Royal Canadian Mint for the calendar year 1965.

### COINAGE

For the first time since 1958, the demand for coinage has shown a decrease compared to the previous year. The 1965 production of 514,000,000 pieces represents a decrease of almost 23% of the record 665,000,000 pieces achieved in 1964. Indicative of the change in trend, one may compare outstanding orders totalling 82,000,000 pieces at the end of 1964, while at the same time in 1965, all orders had been filled with the exception of less than half a million pieces.

It is interesting to note that 1965 regular coinage production was accomplished without overtime. Although a decrease in total production is evident, increases actually showed in all denominations with the exception of one cent. We were able to purchase copper strip from outside sources to alleviate the excessive demand in 1964, however, this was not the case with silver during 1965. The melting, rolling, and annealing facilities were taxed considerably in order to fill the extra silver requirements. The percentage increase, by denomination, of silver coinage was: 1 dollar, 3.5%; 50 cents, 3.3%; 25 cents, 8.3%; and 10 cents, 7.4% over 1964 production records. In addition, the production of five cents increased by 6.8%.

On the other side of the ledger, however, the one cent denomination reflected a decrease from 484,000,000 pieces to 304,000,000 pieces.

The Minister's decision that the Mint would accept all orders for 1965 Uncirculated Coin Sets dictated that three shifts and overtime be placed on this phase of production. All demands were met and resulted in a new production record of almost three million sets.

Comparative statements of the production and issue of coin, by denominations, for the years 1964 and 1965 and a graph illustrating coinage production during the last ten years are shown hereunder:

#### COINAGE PRODUCTION IN 1964 AND 1965

<i>Canada</i>	<i>1964</i>	<i>1965</i>
Denomination—Metallic Composition	<i>Pieces</i>	<i>Pieces</i>
<i>Silver</i>		
1 dollar—800 parts silver, 200 parts copper.....	7,296,832	10,768,569
50 cents—800 parts silver, 200 parts copper.....	9,377,676	12,629,974
25 cents—800 parts silver, 200 parts copper.....	36,479,343	44,708,869
10 cents—800 parts silver, 200 parts copper.....	49,518,549	56,965,392
<i>Nickel</i>		
5 cents—pure nickel.....	78,075,068	84,876,018
<i>Bronze</i>		
1 cent—98% copper, 2% tin and zinc.....	484,655,322	304,441,082
	665,402,790	514,389,904

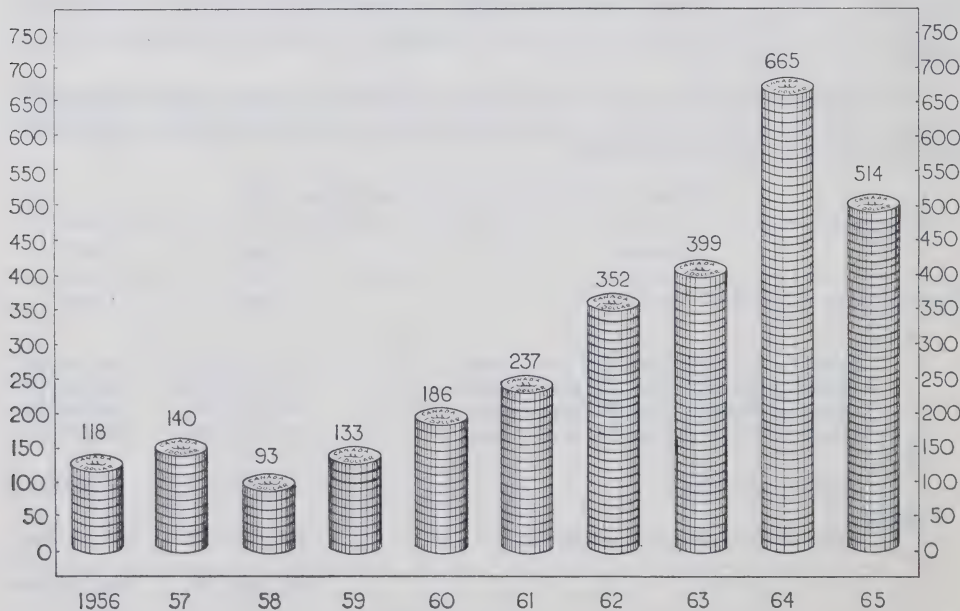
The above coinage for 1965 consists of 699 tons of silver, 1,240 tons of copper, 424 tons of nickel, and 22 tons of tin and zinc.

#### COINAGE ISSUE IN 1964 AND 1965

Canada		1964	1965
Denomination		\$	\$
<i>Silver Coin—</i>			
1 dollar.....		7,339,269.00	10,698,294.00
50 cents.....		4,672,271.50	6,275,460.50
25 cents.....		9,194,387.75	11,049,208.50
10 cents.....		4,947,225.60	5,456,415.40
Total Silver.....		26,153,153.85	33,479,378.40
<i>Nickel Coin</i>			
5 cents.....		3,895,746.45	3,877,921.20
<i>Bronze Coin</i>			
1 cent.....		4,626,962.66	2,961,125.73
Total.....		34,675,862.96	40,318,425.33
Representing		Number of Pieces	
Total.....		643,544,814	495,681,200

#### COINAGE PRODUCED

MILLIONS OF PIECES





# WORN AND MUTILATED COIN WITHDRAWN FROM CIRCULATION

	Withdrawn	Net Increase in Circulation
	\$	\$
Silver Coin.....	104,097.05	33,375,281.35
Nickel Coin—5 cents (mutilated only).....	2,253.40	3,875,667.80
Tombac Coin—5 cents.....	7.95	
Steel Coin—5 cents.....	1,031.15	
Bronze Coin.....	2,417.26	2,958,708.47

Distribution of the coin issued to the various Agencies of the Bank of Canada and Sundry Persons was as follows:

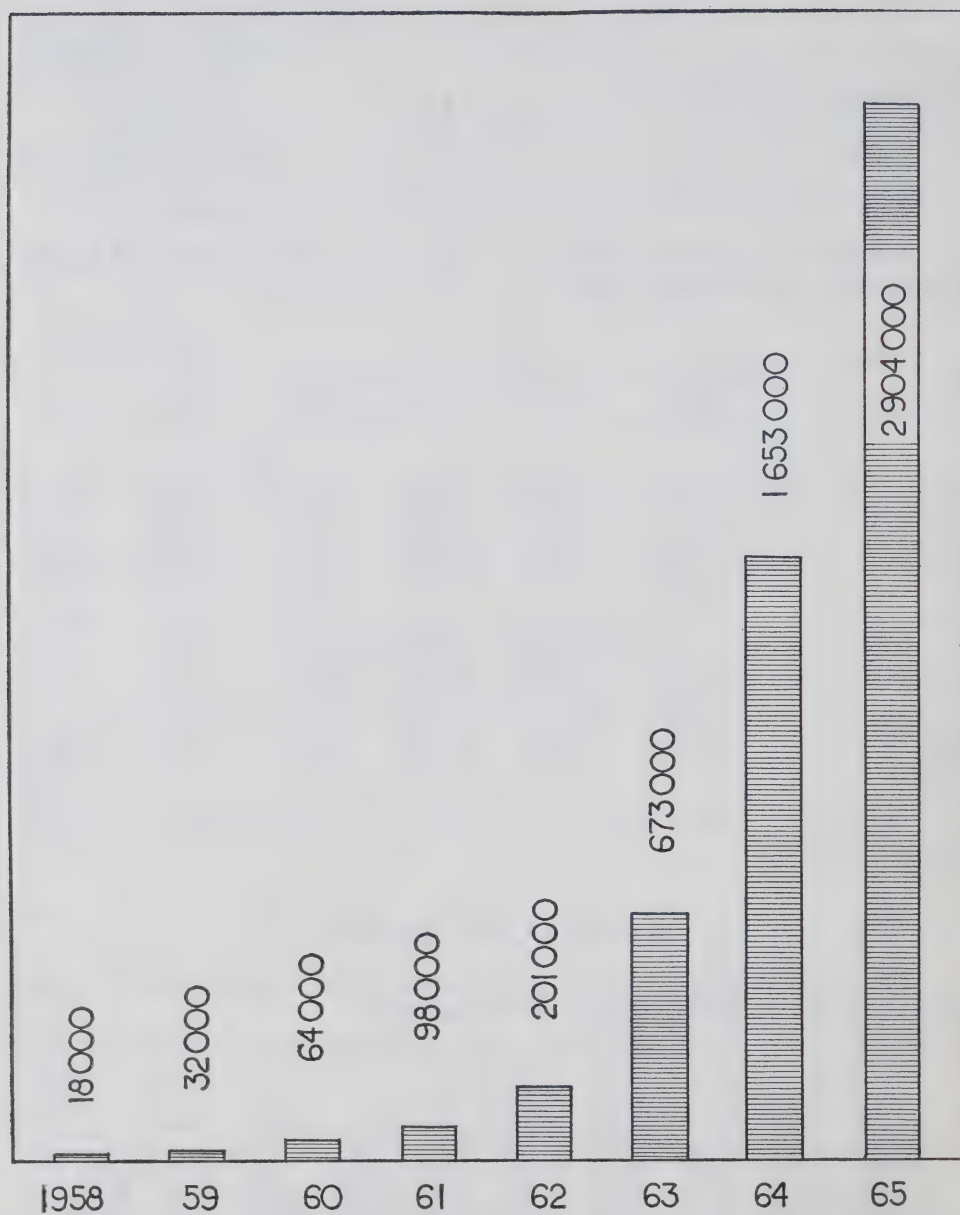
Agency	Silver				Nickel	Bronze
	Dollar	50 Cents	25 Cents	10 Cents	5 Cents	1 Cent
	\$	\$	\$	\$	\$	\$
Calgary.....	910,000.00	750,000.00	1,050,000.00	365,000.00	300,000.00	237,000.00
Charlottetown.....	6,000.00	8,000.00	17,000.00	12,000.00	2,100.00	3,480.00
Halifax.....	196,000.00	125,000.00	350,000.00	245,000.00	120,000.00	115,500.00
Montreal.....	1,679,000.00	513,000.00	2,259,000.00	750,000.00	849,000.00	567,420.00
Ottawa.....	770,403.00	305,676.00	764,816.25	587,658.20	334,172.85	70,440.00
Regina.....	301,000.00	178,000.00	515,000.00	315,000.00	127,200.00	120,000.00
Saint John, N.B.....	115,000.00	150,000.00	375,000.00	110,000.00	54,000.00	78,600.00
St. John's, Nfld.....	19,000.00	138,000.00	124,000.00	104,000.00	77,700.00	40,320.00
Toronto.....	2,917,000.00	1,561,000.00	3,175,000.00	1,786,000.00	1,252,200.00	1,175,760.00
Vancouver.....	571,000.00	918,000.00	905,000.00	498,000.00	367,500.00	308,820.00
Winnipeg.....	376,000.00	210,000.00	805,000.00	400,000.00	252,000.00	215,400.00
Sundry Persons.....	2,837,891.00	1,418,784.50	709,392.25	283,757.20	142,048.35	28,385.73
Totals.....	10,698,294.00	6,275,460.50	11,049,208.50	5,456,415.40	3,877,921.20	2,961,125.73

## NUMISMATIC SECTION

The following table shows the distribution of uncirculated coin sold to Sundry Persons by the Numismatic Section for the year 1965:

	Silver				Nickel	Bronze
	Dollar	50 Cents	25 Cents	10 Cents	5 Cents	1 Cent
	\$	\$	\$	\$	\$	\$
Issued in Mint Sets.....	2,904,352.00	1,452,176.00	726,088.00	290,435.20	145,217.60	29,043.52
Issued separately.....	332.00				170.00	10.00
Totals.....	2,904,684.00	1,452,176.00	726,088.00	290,435.20	145,387.60	29,053.52

# UNCIRCULATED COIN ISSUES (SETS)



Orders for 2,000,000 1965 Uncirculated Coin Sets were received in the mail which arrived on the first working day in January. Lack of staff and inadequate facilities at that time dictated that no more than this number could be produced, and the orders which were received on ensuing days were returned to the remitters. More than 800,000 orders containing requests for approximately 4,000,000 sets were returned as a result of this decision.

On February 1, 1965, the Minister of Finance issued a press release stating that additional space and equipment would be provided and that the Mint would accept all orders for 1965 sets. Just under 1,000,000 extra sets were requested as a result of this press release.

An area of 26,000 square feet in the Printing Bureau Building in Hull was allocated for uncirculated coin set production. The move to this new location commenced on May 25, 1965 with the transfer of the mail handling, packing, and shipping section. Four coin presses and three sealing machines were installed in late June. Additional staff was hired, and the section is now in a position to produce and ship approximately 3,000,000 sets per year on a one shift basis.

The details of the weights of silver bullion, bronze and other metals used in the casting of coinage bars, bars rolled, blanks cut and good coin produced are summarized in the following table:

<i>Canada</i>	<i>Bars Cast</i>	<i>Bars Rolled</i>	<i>Blanks Cut</i>	<i>Good Coin Produced</i>
	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>
Denomination				
SILVER, 800 fine—				
1 dollar.....	52,137,103.20	48,977,384.27	8,798,704.35	7,551,698.25
50 cents.....			5,020,408.56	4,671,396.37
25 cents.....			8,919,028.94	8,516,316.37
10 cents.....			4,850,201.00	4,327,813.95
Total Silver (Ozs. Troy).....	52,137,103.20	48,977,384.27	27,588,342.85	25,067,224.94
Total Silver (Short Tons).....	1,787.5	1,679.2	945.9	859.4
	Pounds	Pounds	Pounds	Pounds
NICKEL—				
5 cents.....			(b)881,284.47	845,206.82
BRONZE—		(a)2,071,357.75		
1 cent.....	1,563,206.00	998,186.26	2,263,331.44	2,162,375.39
Total Nickel and Bronze (Short Tons).....	781.6	499.1 (a) not included	1,572.3	1,503.8
Grand Total (Short Tons).....	2,569.1	2,178.3	2,518.2 (b) included	2,363.2

(a) Bronze strip purchased

(b) Nickel blanks purchased

In addition to 2,569 tons of coinage bars produced during the year, there were 90,535 ounces of worn and mutilated Canadian silver coins, which had been withdrawn from circulation, cast into 2,500 ounce ingots for assaying and conversion to 800 standard coinage bars. One thousand three hundred and eighty-seven pounds of worn bronze coin were melted into one cent coinage bars.

During the year 70.0 ounces of gold proof plate were rolled for the Assay Division, and 2,347.03 ounces of fine silver discs were produced for Assay purposes.

For the electrolytic operations in the Refinery, 5,405.5 ounces of fine gold were rolled to make cathodes, and one sterling silver bar weighing 54.83 ounces was rolled and cut into strips.

The mean finenesses of the Silver Coinage struck in 1965 were as follows:

<i>Denomination</i>	<i>Standard</i>	<i>Mean Fineness</i>
1 dollar.....	800.000	799.470
50 cents.....	800.000	799.160
25 cents.....	800.000	799.300
10 cents.....	800.000	799.280

#### *Silver Bullion*

There were six deposits weighing 31,109.240 troy ounces with an average fineness of 620.610 silver.

The number of coinage bars melted and of these, which on assay, were rejected owing to incorrect composition were as follows:

18,862 bars (52,137,103.20 troy ounces) melted and 48 bars (.25%) rejected  
The mean fineness for the correct bars was 798.830 silver and 20.117% copper.

#### *Silver Plating*

One Dominion Drama Festival Medal was plated.

#### *Miscellaneous Analyses*

A total of 141 analyses were performed on bronze, cupro-nickel (experimental coins), gold coins, nickels et cetera.

Samples from 32 shipments of nickel blanks were assayed, examined, and tested for weight, diameter, thickness et cetera and found to satisfy Mint specifications.

#### *Quality Control Section*

As a result of the organizing of a Quality Control Section in the Division in 1964, the purchasing of precision equipment and the implementation of a working program was completed in the Spring of 1965. Thousands of physical tests, such as weighing, checking diameters, thickness, and hardness were performed on a daily basis, in order to maintain the production within the specified tolerances.

Over 200 metal specimens (mostly coinage dies) were treated, sectioned, and polished for metallurgical microscopic examination (with photographs). Numerous measurements, observations, and photographs were also taken of the coins, blanks, dies, and equipment parts for surface defects, using the newly purchased optical comparator.



In co-operation with the Engineering Division, very valuable statistics and information were obtained from a development work program performed in the thermal treatment of coinage dies. In addition, over 400 chemical and metallurgical tests were carried out.

## GOLD AND SILVER BULLION

Four thousand six hundred and fifty-five deposits of gold bullion were received during the year from Canadian Mining Companies and Sundry Persons. In addition, six deposits of silver bullion and medals were received from the Department of Veterans Affairs and Crown Assets Disposal Corporation. The composition of the deposits was as follows:

### *Fine Gold—*

253 deposits weighing 270,536.060 troy ounces with a mean fineness of 996.435

### *Crude Bullion—*

3,583 deposits weighing 2,868,747.679 troy ounces with an average fineness of 806.292 gold, 125.513 silver, and containing 6.819% base metal

### *Scrap (Jewellery and Dental)—*

174 deposits weighing 12,584.282 troy ounces with an average fineness of 433.785 gold and 090.809 silver

### *Gold for Storage—*

645 deposits weighing 531,858.431 troy ounces with an average fineness of 758.416 gold, 092.309 silver, and 14.927% base metal

### *Gold Plating—*

25 medals, 2 sets of Replicas, and 240 Governor General's Crests were gold plated. The Gold Trial Plate sold during the year amounted to .992 troy ounces.

The net value paid to depositors was 97,522,712.23. In addition the amount of fine gold issued to depositors was 398,043.816 ounces.

The following table shows the disposition of the fine gold produced in various forms (trade bars, granulated gold, sweep, medals, etc.):

	<i>Ounces Fine</i>
6,566 Trade bars transferred to Exchange Fund Account of Minister of Finance.....	2,621,106.234
Depositors—granulated and bars: Gold Purchase 2,650.515, Gold Storage 395,393.301.....	398,043.816
Sales of fine gold.....	4.506
Trial Plate for assay purposes.....	.692
Medals, etc.....	19.093
Sweep.....	7,800.016
	<hr/> 3,026,974.357 <hr/>

This total shows a decrease of 146,598.529 ounces fine issued as compared with the year 1964.





Details of origin of the bullion deposited, for sale to Her Majesty, and for storing during the year 1965 are shown in the following table:

<i>From Canadian Mines and Refineries</i>	<i>Sale to Her Majesty</i>		<i>Gold Storage</i>		<i>Total</i>		<i>Total Fine Silver</i>
	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Gross Weight</i>	<i>Fine Gold</i>	<i>Gross Weight</i>	<i>Fine Gold</i>	
	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>	<i>Ounces</i>
Ontario.....	2,032,243.409	1,709,297.784	185,171.081	156,436.477	2,217,414.490	1,865,734.261	205,365.74
Quebec.....	660,332.250	531,381.129	20,525.180	4,285.647	680,857.430	535,666.776	102,891.47
British Columbia.....	94,290.560	75,983.463	.....	.....	94,290.560	75,983.463	14,189.07
Manitoba.....	34,532.870	25,132.448	.....	.....	34,532.870	25,132.448	4,443.66
Yukon Territory.....	54,994.420	43,564.495	.....	.....	54,994.420	43,564.495	9,284.31
North West Territories.....	262,633.930	197,054.381	326,162.170	242,648.261	588,796.100	439,702.642	72,970.35
Alberta.....	245.260	199.729	.....	.....	245.260	199.729	18.80
Nova Scotia.....	11.040	7.658	.....	.....	11.040	7.658	.08
Total from Canadian Mines and Refineries.....	3,139,283.739	2,582,621.087	531,858.431	403,370.385	3,671,142.170	2,985,991.472	409,163.48
From Jewellery and Miscellaneous.....	12,584.282	5,458.875	.....	.....	12,584.282	5,458.875	1,142.77
From other Government Departments	3,151,868.021	2,588,079.962	531,858.431	403,370.385	3,683,726.452	2,991,450.347	410,306.25
Silver Deposits.....	31,109.240	.....	.....	.....	31,109.240	.....	19,306.92
Total.....	3,182,977.261	2,588,079.962	531,858.431	403,370.385	3,714,835.692	2,991,450.347	429,613.17

The following table gives details of fine bullion produced during the year:

<i>Produced</i>	<i>Number</i>	<i>Gross Weight</i>	<i>Fine Weight</i>	<i>Average Assay</i>
		Ounces	Ounces	
Fine Gold Bars.....	6,562	2,626,586.450	2,619,813.375	997.4
Granulated Gold.....		2,940.570	2,940.276	999.9
Fine Silver Bars.....	332	356,661.88	356,591.46	999.8
Granulated Silver.....		65,198.48	65,184.97	999.8
Gold Trial Plate.....			.692	
Finishing and Plating Medals.....			.298	
Storage—Gold Bars.....	764	305,905.343	305,148.657	997.5
Granulated Gold.....		91,565.680	91,555.397	999.9
Sweeps Sold—Gold.....			7,800.016	
Sweeps Sold—Silver.....			49,380.87	
Gold—Coin.....			1.053	
Medal Bar—Gold.....			198.191	
Medal Bar—Silver.....			290.68	

<i>Special Processes</i>	<i>Number</i>	<i>Gross Weight</i>
		Ounces
Remelts.....	56	19,989.770
Toughenings.....	5	2,066.530
		Pounds
		Avoirdupois
Chloride Reduction.....	....	66,457.0
Sweeps.....	....	75,974.5

Details of the assays, etc., made during the year are shown hereunder:

*Gold—*

Refinages.....	4,921	
Rough Gold.....	26,289	
Proofs.....	2,639	
Parting Proofs.....	693	
Parting Buttons.....	9,199	
		43,741

*Silver—*

Standard Bars.....	21,748	
Pyx.....	3,041	
Proofs.....	767	
Fine Silver.....	2,431	
Miscellaneous.....	890	
		28,877

*Miscellaneous—*

For the Marking Act Inspector.....	25	
Mint Residues (sweeps, etc.).....	320	
		345
		72,963

## GOLD STORAGE

During the year four mines deposited gold bullion at the Mint under the terms of the Regulations prescribing the circumstances under which and the conditions upon which gold will be accepted at the Royal Canadian Mint for storage.

The fine gold content of the bullion deposited under this heading during 1965 amounted to 403,370.385 ounces. Fine bullion amounting to 395,393.301 ounces was issued on behalf of the mines for export and to various processors for domestic use.

## MEDALS, DIES AND SEALS

Three thousand one hundred and fifty pounds of tombac bars were cast for use in the Governor General's Medals, Canadian Forces Decoration Medals, Campaign Stars and other miscellaneous medals.

The following medals were struck and issued during 1965:

For His Excellency, General The Right Honourable Georges P. Vanier, D.S.O., M.C., C.D.

Governor General's Medals, Silver, 925 fine (gilded).....	10
Governor General's Medals, Silver, 925 fine.....	85
Governor General's Medals, Tombac.....	265
Governor General's Crests, Silver, small, 925 fine (gilded).....	240
Governor General's Crests, Silver, small, 925 fine.....	192

For Department of Defence Production—

Canadian Forces Decoration Medals, Tombac.....	10,500
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For Department of Veterans Affairs—

1939-45 Stars, Tombac.....	700
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For Royal Canadian Mounted Police—

Long Service Medals, Silver, 800 fine.....	34
Stars, Long Service, Gold, 18 kt.....	161
Clasps, Long Service, Gold, 18 kt.....	12
Stars, Long Service, Silver, 925 fine.....	420
Clasps, Long Service, Silver, 925 fine.....	110
Clasps, Long Service, Bronze.....	200
Stars, Long Service, Bronze.....	1,020

For the Professional Institute of the Public Service of Canada—

Medals, Gold, 14 kt., (gilded).....	2
Replicas of Medal, Thin Copper, Gold Plated.....(pairs)	2

For The Royal Society of Canada—

Flavelle Medal, Gold, 14 kt., (gilded).....	1
Tyrrell Medal, Gold, Fine (gilded).....	1
Tory Medal, Gold, 18 kt., (gilded).....	1
Miller Medal, Gold, 18 kt., (gilded).....	1

For the Canadian Institute of Chartered Accountants—

Chartered Accountancy Award, Gold, 18 kt.....	1
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For The Engineering Institute of Canada—

Gzowski Medal, Gold, 10 kt.....	2
Leonard Medal, Gold, 10 kt.....	1
Ross Medal, Gold, 10 kt.....	2
Julian C. Smith Medals, Silver, 923.4 fine.....	2
Sir John Kennedy Medal, Silver, 923.4 fine.....	1
Gzowski Medal, Silver, 925 fine.....	3

For The Dominion Drama Festival—

The Massey Award, Coinage Bronze, Gold Plated.....	1
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For The Royal Canadian Geographical Society—	
The Massey Medal, Silver, 800 fine, with gold finish.....	1
For The Institute of Public Administration of Canada—	
Vanier Medal with wording on reverse in English, Gold, 14 kt.....	1
For the Department of Transport—	
Patterson Medal, Silver, 925 fine.....	2
For the Government of Canada—	
Government Long Service Medals, Silver, 925 fine (English).....	9
Government Long Service Medals, Silver, 925 fine (French).....	2

All the above medals except those for His Excellency, General The Right Honourable Georges P. Vanier, Department of Defence Production, and the Department of Veterans Affairs were engraved with the name of the recipients.

## ENGINEERING DIVISION

Even though production demands were not as great in 1965 as they were in 1964, the pressure of work in the Engineering Division was maintained by relocation of equipment to the new Satellite Plant in Hull, a change of Obverse die design, the institution of procedures designed to reduce downtime due to emergency breakdowns, and periodic planned coin press overhauls. The Engineering Division personnel worked on three shifts much of the year.

Major maintenance items included: installation of equipment in Hull (including Machine Shop equipment), rebuild of mould “CARRIER” cooling system in Melting House, and complete rebuild of strip annealing furnace (including bypassing of lower heating elements which will reduce downtime and maintenance costs). Two high speed coin presses were installed in the Coining and Medal Division, and a new cutting band saw was set up in the Machine Shop. Improvements generally included: overhaul or replacement of the steam system regulating valves, and the installation of a new tractor trailer entrance leading to Sussex Drive. A new work order system was designed to assist management in controlling the extent and emphasis of Engineering Division expenditures. Planning of Engineering Division operations for greater efficiency as well as facilitating production requirements are additional benefits resulting from these new work orders.

The Engineering Division, as usual, performed duties and services for other Mint Divisions, such as the planning of the Printing Bureau operation, several material handling and production studies and development work associated with mechanical and electrical functions of Mint equipment. Included among successful development items are more efficient tooling up for milled edges of coins and more efficient regrinding of blanking press die sets.

An improved method of turning blanks for coining dies was used successfully throughout the year. This method allowed relatively untrained personnel to turn out work at a much higher rate than previously possible with skilled machinists. Two other Mints have made specific inquiries with the intention of using this method.



## GENERAL

The plate at the end of the Report depicts the new effigy of Her Majesty which was used on the Obverse of all 1965 coinage. The proclamation authorizing and describing this design was attached to the 1964 Royal Canadian Mint Annual Report as Appendix E.

It is regretted that we are not in a position to announce a winner of the competition for the designs of the 1967 Centennial Coinage. A description of these coins and the name of the successful sculptor will appear in the 1966 Annual Report.

Even though many visitors had to be refused the privilege of viewing Mint operations because of limited facilities for conducting these tours, the year 1965 indicated that a record 63,100 visitors were accommodated.

The Assay Commissioners, Dr. E. C. Horswill and Dr. D. Morris of the National Research Council, and Mr. J. S. McCree and Mr. L. G. Ripley of the Department of Mines and Technical Surveys appointed under the provisions of the Currency Act for the purpose of ascertaining that coins of the currency of Canada struck at the Royal Canadian Mint during 1964 had been minted in accordance with the provisions of the said Act, were sworn by His Honour, Judge P. J. Macdonald, on the fourth day of May, 1965. The findings of the Commissioners, at the Trial of the Pyx, show that the weight and fineness of the coins tested were within the remedy as prescribed by law.

The annual stocktaking and inspection of the store of bullion and coin, as required by the Act establishing the Royal Canadian Mint, was conducted by the Auditor General's Department in January.

During 1965, a reorganization in the divisional structure of the Mint took place. The Administrative Division was divorced from the Mint Office and two separate divisions, Financial and Administrative, were formed.

The Administrative Division was made up of the Personnel Section, Purchasing Section, Stores Section, and the Satellite Plant, in Hull, which is responsible for the manufacture of uncirculated coin sets.

The Financial Division was composed of the Accounts Payable Section, the Security Accounting Section for both coin and gold, the Cost Accounting Section, the Telling or Counting Section, and the section responsible for issuing gold and silver coinage.

On the 31st of December, 1965, the number of personnel on strength at the Mint was 361. Of this number, 79 were employed in the Administrative Division, 24 in the Financial Division, 141 in the Coining and Medal Division, 20 in the Assay Division, 60 in the Engineering Division, and 37 in the Refinery.

During the year, Mr. Thomas H. DOUGLAS, who was employed in the Numismatic Section, retired on the completion of forty-five years service. Mr. A. CORNEL-LIER, of the Coining and Medal Division, also retired to pension after twenty-two years service.

Statements showing gold bullion transactions since the opening of the Mint in January, 1908, details of coin issued in Canada since 1858, circulation of coin in Canada, and statements of coinage and bullion operations for the calendar year 1965 are appended herewith.

Respectfully submitted,

N. A. PARKER

*Master, Royal Canadian Mint.*

## APPENDIX A

Summary of transactions in GOLD BULLION of the Ottawa Branch of the Royal Mint from its opening on January 2, 1908, to its disestablishment on November 30, 1931, and of the Royal Canadian Mint from December 1, 1931, to December 31, 1965.

Year	Gold Received		Gold Issued	
	Gross Weight		Coin	
	Ounces	Fine Gold	Ounces Fine	Bullion
1908 to 1955.....	146,145.971.949	117,794,663.686	383,319.096	117,382,439.937
1956.....	4,693,484.529	3,801,788.815	.....	3,774,599.457
1957.....	4,798,296.343	3,896,083.563	.....	3,776,710.677
1958.....	4,868,066.405	3,958,458.747	.....	4,088,706.348
1959.....	4,805,493.520	3,908,640.185	.....	3,836,679.842
1960.....	4,970,726.079	4,024,625.964	.....	4,014,771.105
1961.....	4,745,639.352	3,800,137.419	.....	3,812,054.286
1962.....	4,363,972.339	3,488,974.332	.....	3,520,405.598
1963.....	4,319,975.360	3,457,091.639	.....	3,467,554.159
1964.....	3,959,021.466	3,188,867.542	.....	3,173,572.886
1965.....	3,683,726.452	2,991,450.347	.....	3,026,974.357
	191,354,373.794	154,310,782.239	383,319.096	153,874,468.652

# APPENDIX B (1) COIN ISSUED IN CANADA

		Silver						
		Dollar	50c	25c	20c	10c	5c	Total Silver
		\$						
1858 to 1907	New Brunswick, 1861, 2 and 4.	.....	.....	.....	60,000	25,000	10,000	95,000
	Nova Scotia, 1861, 2 and 4.	.....	.....	.....	.....	.....	.....	.....
	Prince Edward Island, 1871.	.....	.....	.....	.....	.....	.....	.....
	Rest of Canada, 1858-1907	.....	1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996
	Totals.....	.....	1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996
		Gold						
		Sovereigns	\$10	\$5				
		£	\$	\$				
1908 to 1955	.....	627,834	3,480,380	1,388,070	.....	26,460,122.90	3,084,802	93,030,666.40
1956	.....	.....	.....	.....	.....	1,673,284.40	.....	5,389,464.15
1957	.....	.....	.....	.....	.....	1,563,195.20	.....	6,236,428.95
1958	.....	.....	.....	.....	.....	1,090,830.60	.....	8,044,752.85
1959	.....	.....	.....	.....	.....	1,978,168.00	.....	8,273,563.50
1960	.....	.....	.....	.....	.....	4,502,414.00	.....	13,432,251.50
1961	.....	.....	.....	.....	.....	2,719,837.30	.....	10,299,580.55
1962	.....	.....	.....	.....	.....	4,204,047.60	.....	16,114,239.85
1963	.....	.....	.....	.....	.....	4,176,711.50	.....	17,688,668.50
1964	.....	.....	.....	.....	.....	4,947,225.60	.....	26,153,153.85
1965	.....	.....	.....	.....	.....	5,456,415.40	.....	33,479,378.40
627,834	3,480,380	1,388,070	.....	.....	210,000	61,837,252.50	6,020,802	250,697,144.50

# APPENDIX B (2) COIN ISSUED IN CANADA

	Nickel		Tombac		Steel		Bronze	
	5c		5c		5c		1c	½c
<div> <div> <div>1858 to 1907</div> <div> <div> <div>New Brunswick, 1861, 2 and 4.</div> <div>Nova Scotia, 1861, 2 and 4.</div> <div>Prince Edward Island, 1871.</div> <div>Rest of Canada, 1858 to 1907.</div> </div> </div> <div>Struck in England</div> </div> </div>	\$		\$		\$		\$	\$
							20,000	1,114
							26,000	4,000
							10,000	
							803,315	
Totals.....							859,315	5,114
1908 to 1955.....							12,319,949.93	
1956.....	8,125,448.80		1,407,824.50		3,463,238.60		786,855.35	
1957.....	469,992.70						1,004,220.54	
1958.....	366,493.10						578,274.13	
1959.....	379,616.00						829,116.42	
1960.....	576,680.40						748,101.00	
1961.....	1,735,707.00						1,417,543.73	
1962.....	2,512,368.65						2,284,924.80	
1963.....	2,324,211.65						2,790,679.21	
1964.....	2,196,217.20						4,626,962.66	
1965.....	3,895,746.45						2,961,125.73	
	3,877,921.20							
	26,460,403.15		1,407,824.50		3,463,238.60		31,207,068.50	5,114



# APPENDIX C

## CIRCULATION OF CANADIAN COIN AS AT 31 DECEMBER

Year	Silver	Nickel	Tombae	Steel	Bronze	Total	Per Capita
	\$	\$	\$	\$	\$	\$	\$
1905	10,487,774				791,429	11,279,203	1.85
1910	14,327,662				967,353	15,295,015	2.03
1915	18,588,573				1,212,588	19,801,161	2.51
1920	28,384,850				1,895,783	30,280,633	3.51
1925	27,713,019				2,020,470	29,733,489	3.20
1930	28,562,330	1,494,525			2,297,405	32,354,260	3.17
1935	28,407,168	2,449,278			2,818,341	33,674,787	3.11
1940	36,944,040	4,015,232			4,092,234	45,051,506	3.96
1945	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1950	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38
1961	146,902,352	14,110,198	549,021	3,451,708	18,311,853	183,325,132	10.09
1962	162,928,707	16,433,088	549,009	3,450,676	20,595,543	203,957,023	11.06
1963	180,492,972	18,627,687	548,999	3,449,476	23,383,788	226,502,922	11.91
1964	206,551,965	22,522,116	548,996	3,448,547	28,009,356	261,080,980	13.43
1965	239,927,246	26,397,784	548,989	3,447,516	30,968,064	301,289,599	15.23



**APPENDIX D**  
**ROYAL CANADIAN MINT**  
**COINAGE AND BULLION OPERATIONS, 1965**  
**GOLD PURCHASE ACCOUNT**

	<i>Fine Ounces</i>	<i>Value</i>
Gold sold at various rates.....	2,631,581.056	\$ 99,276,429.99
Cost of Metal:		
Inventory, December 31, 1964.....	183,740.186	6,941,010.67
Gold purchased at various rates.....	2,588,079.962	97,647,567.49
	2,771,820.148	\$ 104,588,578.16
Adjustment—Revaluation of gold—March 31, 1965.....		11,218.92
		\$ 104,577,359.24
Inventory, December 31, 1965.....	140,658.476	5,316,689.31
Cost of metal sold.....	2,631,161.672	\$ 99,260,669.93
Gain in refining credited to Consolidated Revenue Fund.....	419.384	\$ 15,760.06

**SILVER BULLION PURCHASE ACCOUNT**

	<i>Value</i>	<i>Value</i>
Bullion sold or transferred to coinage.....		\$ 753,179.87
Cost of Sales		
Inventory, December 31, 1964.....	\$ 266,390.56	
Bullion purchased.....	599,017.21	
Treatment charges—Sweep.....	3,046.38	
	\$ 868,454.15	
Inventory, December 31, 1965.....	145,389.84	723,064.31
Net gain on operation credited to Consolidated Revenue Fund		\$ 30,115.56

**SILVER COINAGE ACCOUNT**

Coin sold.....	\$	\$ 33,479,378.40
Cost of Sales		
Inventory, December 31, 1964 (at cost).....	13,868,108.48	
Bullion and Alloy purchased or transferred.....	24,033,811.92	
Worn coin purchased (withdrawn for recoinage-face value)....	104,389.90	
	\$38,006,310.30	
Inventory, December 31, 1965.....	10,581,092.92	27,425,217.38
Net gain on coinage credited to Consolidated Revenue Fund		\$ 6,054,161.02

## APPENDIX D—Concluded

### NICKEL COINAGE ACCOUNT

	<i>Value</i>	<i>Value</i>
Coin sold.....		\$ 3,877,921.20
Brockages sold.....		18,457.77
		<u>\$ 3,896,378.97</u>
Cost of sales		
Inventory, December 31, 1964 (at cost).....	\$ 153,149.37	
Metal purchased.....	1,551,445.39	
Mutilated coin purchased (face value).....	2,253.40	
	<u>\$ 1,706,848.16</u>	
Inventory, December 31, 1965 (at cost).....	558,718.05	1,148,130.11
Net gain on coinage credited to Consolidated Revenue Fund		<u><u>\$ 2,748,248.86</u></u>

### BRONZE COINAGE ACCOUNT

Coin sold.....	\$	\$ 2,961,125.73
Metal sold or transferred.....		23,995.86
		<u>\$ 2,985,121.59</u>
Cost of sales		
Inventory, December 31, 1964.....	581,268.18	
Metal purchased.....	1,603,500.83	
Worn coin purchased (withdrawn for recoinage).....	2,425.29	
Toll charges on copper residues.....	833.54	
	<u>\$ 2,188,027.84</u>	
Inventory, December 31, 1965.....	958,148.27	1,229,879.57
Net gain on coinage credited to Consolidated Revenue Fund		<u><u>\$ 1,755,242.02</u></u>

### STEEL COINAGE ACCOUNT

Inventory, December 31, 1964.....	\$	656.45
Mutilated coin purchased.....		1,031.15
		<u>\$ 1,687.60</u>
Inventory, December 31, 1965.....		650.95
Loss in destruction of mutilated coin by melting.....	\$	<u><u>1,036.65</u></u>

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# APPENDICE D

## MONNAIE ROYALE CANADIENNE

### OPÉRATIONS CONCERNANT LA MONNAIE ET LES LINGOTS, 1965

#### COMPTE D'ACHAT D'OR

Or vendu à divers taux.....	2,631,581,056	\$	99,276,429.99	<i>Valeur</i>
Coût du métal:				
Existences au 31 décembre 1964.....	183,740,186		6,941,010.67	
Or acheté à divers taux.....	2,588,079.962		97,647,567.49	
Ajustement - Réévaluation de l'or - 31 mars 1965.....	2,771,820.148	\$	104,588,578.16	
Existences au 31 décembre 1965.....	140,658,476		5,316,689.31	
Coût du métal vendu.....	2,631,161.672	\$	99,260,669.93	
Bénéfices d'affinage crédités au Fonds du revenu consolidé.....	419,384	\$	15,760.06	

#### COMPTE D'ACHAT DE LINGOTS D'ARGENT

Lingots vendus ou transférés au monnayage.....		\$	753,179.87	<i>Valeur</i>
Coût des ventes				
Existences au 31 décembre 1964.....	266,390.56	\$		
Achat de lingots.....	599,017.21			
Frais de traitement - Poussière.....	3,046.38			
Existences au 31 décembre 1965.....	868,454.15	\$		
Existences au 31 décembre 1965.....	145,389.84		723,064.31	
Bénéfices nets sur opérations crédités au Fonds du revenu consolidé.....		\$	30,115.56	

#### COMPTE DE FRAPPE DE MONNAIE D'ARGENT

Pièces vendues.....		\$	33,479,378.40	
Coût des ventes				
Existences au 31 décembre 1964 (au prix coûtant).....	13,868,108.48			
Achats ou transferts de matières d'argent et d'alliages.....	24,033,811.92			
Achats de pièces usées (reliées de la circulation en vue de nouvelle frappe - valeur nominale).....	104,389.90			
Existences au 31 décembre 1965 (au prix coûtant).....	38,006,310.30	\$		
Existences au 31 décembre 1965 (au prix coûtant).....	10,581,092.92		27,425,217.38	
Bénéfices nets sur frappe de pièces crédités au Fonds du revenu consolidé.....		\$	6,054,161.02	



# APPENDICE C PIÈCES DE MONNAIE DU CANADA EN CIRCULATION AU 31 DÉCEMBRE

Année	Argent	Nickel	Tombac	Acier	Bronze	Total	Par tête
	\$	\$	\$	\$	\$	\$	\$
1905.....	10,487,774	.....	.....	.....	791,429	11,279,203	1.85
1910.....	14,327,662	.....	.....	.....	967,353	15,295,015	2.03
1915.....	18,588,573	.....	.....	.....	1,212,588	19,801,161	2.51
1920.....	28,384,850	.....	.....	.....	1,895,783	30,280,633	3.51
1925.....	27,713,019	.....	.....	.....	2,020,470	29,733,489	3.20
1930.....	28,562,330	1,494,525	.....	.....	2,297,405	32,354,260	3.17
1935.....	28,407,168	2,449,278	.....	.....	2,818,341	33,674,787	3.11
1940.....	36,944,040	4,015,232	.....	.....	4,092,234	45,051,506	3.96
1945.....	58,327,590	4,823,237	1,407,462	1,521,170	7,499,263	73,578,722	6.09
1950.....	73,473,724	7,393,138	621,440	1,519,419	10,012,143	93,019,864	6.78
1951.....	78,638,143	7,815,103	599,655	1,701,849	10,794,169	99,548,919	7.11
1952.....	83,463,939	7,814,398	584,882	2,278,329	11,476,591	105,618,139	7.32
1953.....	89,550,236	7,813,081	570,847	3,109,691	12,130,181	113,174,036	7.66
1954.....	91,350,637	7,810,723	560,577	3,458,758	12,392,389	115,573,084	7.50
1955.....	95,574,457	8,076,800	555,912	3,457,712	12,956,807	120,621,688	7.62
1956.....	100,922,477	8,545,507	552,868	3,456,782	13,742,282	127,219,916	7.87
1957.....	107,116,450	8,910,869	550,743	3,455,886	14,745,243	134,779,191	7.98
1958.....	115,120,076	9,289,481	549,630	3,455,062	15,322,156	143,736,405	8.32
1959.....	123,344,059	9,865,012	549,237	3,454,209	16,150,222	153,362,739	8.68
1960.....	136,710,958	11,599,263	549,090	3,452,876	16,895,953	169,208,140	9.38
1961.....	146,902,352	14,110,198	549,021	3,451,708	18,311,853	183,325,132	10.09
1962.....	162,928,707	16,433,088	549,009	3,450,676	20,595,543	203,957,023	11.06
1963.....	180,492,972	18,627,687	548,999	3,449,476	23,383,788	226,502,922	11.91
1964.....	206,551,965	22,522,116	548,996	3,448,547	28,009,556	261,080,980	13.43
1965.....	239,927,246	26,397,784	548,989	3,447,516	30,968,064	301,289,599	15.23

# APPENDICE B (2) PIÈCES DE MONNAIE ÉMISES AU CANADA

	<i>Nickel</i>		<i>Tombac</i>		<i>Acier</i>		<i>Bronze</i>	
	5c		5c		5c		1c	1/2c
	\$		\$		\$		\$	\$
<div> <div> <div>Nouveau-Brunswick, 1861, 2 et 4.</div> <div>Nouvelle-Écosse, 1861, 2 et 4.</div> </div> <div> <div>1858 à 1907</div> <div> <div>île du Prince-Édouard, 1871.</div> <div>Reste du Canada, 1858 à 1907</div> </div> </div> </div> <div> <div>Frappées en Angleterre</div> </div>	.....		.....		.....		20,000	1,114
	.....		.....		.....		26,000	4,000
	.....		.....		.....		10,000	.....
	.....		.....		.....		803,315	.....
Totaux .....	.....		.....		.....		859,315	5,114
1908 à 1955.....	8,125,448.80		1,407,824.50		3,463,238.60		12,319,949.93	
1956.....	469,992.70		.....		.....		786,855.35	.....
1957.....	366,493.10		.....		.....		1,004,220.54	.....
1958.....	379,616.00		.....		.....		578,274.13	.....
1959.....	576,680.40		.....		.....		829,116.42	.....
1960.....	1,735,707.00		.....		.....		748,101.00	.....
1961.....	2,512,368.65		.....		.....		1,417,543.73	.....
1962.....	2,324,211.65		.....		.....		2,284,924.80	.....
1963.....	2,196,217.20		.....		.....		2,790,679.21	.....
1964.....	3,895,746.45		.....		.....		4,626,962.66	.....
1965.....	3,877,921.20		.....		.....		2,961,125.73	.....
	26,460,403.15		1,407,824.50		3,463,238.60		31,207,068.50	5,114

APPENDICE B (1)  
PIÈCES DE MONNAIE ÉMISES AU CANADA

		Argent									
		Dollar	50c.	25c.	20c.	10c.	5c.	Total Argent			
		\$	\$	\$	\$	\$	\$	\$	\$	\$	
1858 à 1907	Nouveau-Brunswick 1861, 2 et 4	.....	.....	.....	60,000	25,000	10,000	95,000			
	Nouvelle-Écosse 1861, 2 et 4	.....	.....	.....	.....	.....	.....	.....			
	Ile du Prince-Édouard, 1871	.....	.....	.....	.....	.....	.....	.....			
	Reste du Canada 1858 - 1907	.....	1,249,018	5,094,978	150,000	3,040,000	2,926,000	12,459,996			
Totaux.....			1,249,018	5,094,978	210,000	3,065,000	2,936,000	12,554,996			
Or											
Souverains		\$10	\$5								
	£	\$	\$								
1908 à 1955.....	627,834	3,480,380	1,388,070	5,867,860	15,982,839.00	41,635,042.50	26,460,122.90	3,084,802	93,030,666.40		
1956.....	.....	.....	209,092	689,749.50	2,817,338.25	.....	1,673,284.40	.....	5,389,464.15		
1957.....	.....	.....	496,389	1,085,844.50	3,091,000.25	.....	1,563,195.20	.....	6,236,428.95		
1958.....	.....	.....	3,039,564	1,478,600.00	2,435,758.25	.....	1,090,830.60	.....	8,044,752.85		
1959.....	.....	.....	1,436,160	1,547,330.50	3,311,905.00	.....	1,978,168.00	.....	8,273,553.50		
1960.....	.....	.....	.....	.....	5,757,025.00	.....	4,502,414.00	.....	13,432,251.50		
1961.....	.....	.....	1,427,894	1,744,918.50	4,554,593.25	.....	2,719,837.30	.....	10,299,580.55		
1962.....	.....	.....	1,252,928	1,772,222.00	7,392,098.75	.....	4,204,047.60	.....	16,114,239.85		
1963.....	.....	.....	1,894,092	2,624,001.50	5,201,066.50	.....	4,176,711.50	.....	17,688,668.50		
1964.....	.....	.....	4,137,141	4,173,749.50	9,194,387.75	.....	4,947,225.60	.....	26,153,153.85		
1965.....	.....	.....	7,339,269	4,672,271.50	11,049,208.50	.....	5,456,415.40	.....	33,479,378.40		
	627,834	3,480,380	1,388,070	37,798,683	43,296,005.00	101,534,402.00	210,000	61,837,252.50	6,020,802	250,697,144.50	

## APPENDICE A

Récapitulation des opérations ayant trait aux MATIÈRES D'OR de la succursale d'Ottawa de la Monnaie royale, depuis son inauguration le 2 janvier 1908 jusqu'à la séparation, le 30 novembre 1931, et des opérations de la Monnaie royale canadienne depuis le 1<sup>er</sup> décembre 1931 jusqu'au 31 décembre 1965.

Année	Or reçu				Or émis	
	Poids brut	Or fin	Monnaie	Matières d'or		
1908 à 1955.....	146,145,971.949	117,794,663.686	383,319.098	117,382,439.937		
1956.....	4,693,484.529	3,801,788.815	.....	3,774,599.457		
1957.....	4,798,296.343	3,896,083.563	.....	3,776,710.677		
1958.....	4,868,066.405	3,958,458.747	.....	4,088,706.348		
1959.....	4,805,493.520	3,908,640.185	.....	3,836,679.842		
1960.....	4,970,726.079	4,024,625.964	.....	4,014,771.105		
1961.....	4,745,639.352	3,800,137.419	.....	3,812,054.286		
1962.....	4,363,972.339	3,488,974.332	.....	3,520,405.598		
1963.....	4,319,975.360	3,457,091.639	.....	3,467,554.159		
1964.....	3,959,021.466	3,188,867.542	.....	3,173,572.886		
1965.....	3,683,726.452	2,991,450.347	.....	3,026,974.357		
	291,354,373.794	154,310,782.239	383,319.096	153,874,468.652		



## CONSIDÉRATIONS D'ORDRE GÉNÉRAL

On trouvera à la fin du présent rapport une planche présentant la nouvelle effigie de Sa Majesté, utilisée à l'avers de toutes les pièces frappées en 1965. La proclamation autorisant et décrivant ce dessin a été annexée comme Appendice E au rapport annuel de la Monnaie royale canadienne de 1964.

Nous regrettons de n'être pas en mesure d'annoncer le gagnant du concours de dessins destinés aux pièces de monnaie du Centenaire de 1967. Le rapport annuel de 1966 contiendra la description de ces pièces et le nom du sculpteur gagnant.

Bien qu'un grand nombre de visiteurs se soient vu refuser le privilège d'assister aux opérations de frappe par suite des moyens restreints dont nous disposons pour guider de telles visites, nous avons accueilli en 1965 un nombre sans précédent de visiteurs, soit 63,100.

Les commissaires essayeurs, Dr. E. C. Horswill et Dr. D. Morris, du Conseil national de recherches, et MM. J. S. McCree et L. G. Ripley, du ministère des Mines et des Relevés techniques, nommés en vertu des dispositions de la Loi sur la Monnaie royale canadienne en 1964 l'avaient été en conformité des dispositions de ladite loi, ont été assermentés par Son Honneur le juge P. J. Macdonald, le quatrième jour de mai 1965. Les constatations des commissaires, lors du contrôle des monnaies, démontrent que le poids et le titre des pièces qui ont fait l'objet d'essai étaient dans les limites de la tolérance prévue par la loi.

Le Bureau de l'Auditeur général a fait en janvier l'inventaire et l'inspection annuel des lingots et pièces de monnaie en main, ainsi que le prescrit la loi créant la Monnaie royale canadienne.

Au cours de 1965, les divisions de la Monnaie ont été restructurées. La Division de l'administration a été séparée du Bureau de la Monnaie et deux divisions distinctes ont été créées, les Divisions de l'administration et des finances.

La Division de l'administration comprend la Section du personnel, la Section des achats, la Section des magasins et l'atelier-satellite de Hull, lequel est chargé de la fabrication des ensembles de pièces soustraites à la circulation.

La Division des Finances comprend la Section des comptes à payer, la Section de comptabilité de garantie tant pour les pièces de monnaie que pour l'or, la Section de comptabilité de prix de revient, la Section de caisse ou de comptage, et la Section préposée à l'émission de pièces d'or et d'argent.

Le 31 décembre 1965, l'effectif du personnel de la Monnaie était de 361. De ce nombre, 79 personnes étaient affectées à la Division de l'administration, 24 à la Division des finances, 141 à la Division du monnayage et des médailles, 20 à la Division des essais, 60 à la Division de génie et 37 à l'atelier d'affinage.

Au cours de l'année, M. Thomas H. DOUGLAS, qui était à l'emploi de la Section de numismatique, a pris sa retraite après quarante-cinq ans de service. M. A. CORNELIER, de la Division du monnayage et des médailles, a aussi pris sa retraite après trente-deux ans de service.

On trouvera en appendice des états des opérations ayant trait aux matières d'or depuis l'inauguration de la Monnaie en janvier 1908, le détail des pièces de monnaie émises au Canada depuis 1858, le détail des pièces de monnaie en circulation au Canada et des états des opérations ayant trait à la Monnaie et aux matières métalliques pour l'année civile 1965.

Veuillez agréer, monsieur le ministre, l'expression de mes sentiments respectueux.

*Le Directeur de la Monnaie royale canadienne,*

N. A. PARKER



renseignements.

désireuses d'utiliser cette méthode, se sont adressées à nous en vue d'obtenir des renseignements.

sonnel plutôt inexpérimenté de produire à un rythme beaucoup plus rapide qu'il n'avait été possible de le faire avec des machinistes spécialisés. Deux autres Monnaies, tournaient des flans destinés aux coins de frappe. Cette méthode a permis à un per-

Au cours de l'année, on a utilisé avec succès une méthode améliorée pour le

meilleur réaffûtage des coins des balanciers de poinçonnage.

bons résultats, notons un meilleur usinage des rebords molés des pièces et un

tention du matériel et des travaux de mise au point reliés aux fonctions mécaniques et électriques de l'outillage de la Monnaie. Parmi les initiatives qui ont donné de

tions à l'Imprimerie du gouvernement, plusieurs études sur la production et la manu-

pour le compte d'autres divisions de la Monnaie, tels que la planification des opéra-

Comme à l'ordinaire, la Division du génie a assumé des tâches et des services

d'améliorer le fonctionnement et de faciliter la production.

entre autre chose, la planification des opérations de la Division du génie en vue

des dépenses de la Division du génie. Ce nouveau plan de travail a rendu possible,

de travail a été conçu en vue de faciliter à la Direction le contrôle et la coordination

entrée pour tracteurs-remorques menant à la promenade Sussex. Un nouveau plan

placement des soupapes de réglage de la vapeur, et l'aménagement d'une nouvelle

mécanique. Les améliorations comprennent notamment la remise à neuf ou le rem-

monnayage et des médailles, et une nouvelle scie à ruban de découpage, dans l'atelier

d'arrêt). Deux balanciers de frappe extra-rapides ont été installés à la Division de

inférieurs de chauffe de façon à réduire les frais résultant de l'entretien et du temps

tion au complet du four de recuit des bandes (y compris l'évitement des éléments

refroidissement du «CHARIOT» du moule à l'atelier de fonderie, et la reconstruc-

(y compris un outillage d'atelier mécanique), la reconstruction du dispositif de

Au poste de l'entretien signaux, notamment, l'installation à Hull d'un outillage

tenu trois équipes au travail.

balanciers de frappe. Durant presque toute l'année, la Division du génie a main-

par les panes d'urgence, et d'un programme de remises à neuf périodiques des

mise en œuvre de méthodes de travail visant à réduire le temps d'arrêt occasionné

nouvel atelier-satellite, d'une modification apportée au motif du coin d'avers, de la

génie est restée occupée par suite du démantèlement d'outillage à Hull au

Même si la demande n'a pas été en 1965 aussi forte qu'en 1964, la Division du

## DIVISION DU GÉNIE

battants.

ministère de la Production de défense et du ministère des Affaires des anciens com-

excepté les médailles de Son Excellence le très honorable Georges-P. Vanier, du

Le nom du destinataire a été gravé sur toutes les médailles susmentionnées,

1	Pour la Royal Canadian Geographical Society—
1	Médaille Massey, argent, 800 de fin, finie or.....
1	Pour l'Institute of Public Administration of Canada—
1	Médaille Vanier avec inscription en anglais au revers, or, 14 carats.....
2	Pour le ministère des Transports—
2	Médailles Patterson, argent, 925 de fin.....
9	Pour le gouvernement du Canada—
9	Médailles d'ancienneté de service du gouvernement, argent, 925 de fin
2	(en anglais).....
2	Médailles d'ancienneté de service du gouvernement, argent, 925 de fin
2	(en français).....

# ENTREPOSAGE DE L'OR

Dans l'année, quatre mines ont déposé des matières d'or à la Monnaie en vertu des dispositions des Règlements qui prescrivent les conditions selon lesquelles la Monnaie Royale canadienne accepte de l'or pour entreposage.

La teneur d'or fin des matières déposées en vertu de tel arrangement au cours de 1965 représentait 403,370.385 onces. Des lingots d'or fin représentant 395,393.301 onces ont été livrés pour le compte des mines en vue d'exportation et à différents fabricants pour les besoins du marché canadien.

## MÉDAILLES, COINS ET SCEAUX

Trois mille cent cinquante livres de barres de tombac ont été coulées pour la production de médailles du Gouverneur général, médailles de décoration des forces canadiennes, étoiles de campagne et autres médailles diverses.

Les médailles suivantes ont été frappées et émises en 1965 :

Pour Son Excellence le très honorable Général Georges-P. Vanier, D.S.O., M.C., C.D.

Médailles du Gouverneur général, argent, 925 de fin (dorées)..... 10  
Médailles du Gouverneur général, argent, 925 de fin..... 85  
Médailles du Gouverneur général, tombac..... 265  
Écussons du Gouverneur général, argent, 925 de fin (dorés)..... 240  
Écussons du Gouverneur général, argent, (petits), 925 de fin..... 192

Pour le ministère de la Production de défense—  
Médailles de décoration des forces canadiennes, tombac..... 10,500  
Pour le ministère des Affaires des anciens combattants—  
Étoiles, de 1939-1945, tombac..... 700

Pour la Gendarmerie royale du Canada—  
Médailles d'ancienneté de service, argent, 800 de fin..... 34  
Étoiles d'ancienneté de service, or, 18 carats..... 161  
Agrafes d'ancienneté de service, or, 18 carats..... 12  
Étoiles d'ancienneté de service, argent, 925 de fin..... 420  
Agrafes d'ancienneté de service, argent, 925 de fin..... 110  
Étoiles d'ancienneté de service, bronze..... 200  
Étoiles d'ancienneté de service, bronze..... 1,020

Pour l'Institut professionnel du service public du Canada—  
Médailles, or, 14 carats (dorées)..... 2  
Reproductions de médailles, cuivre mince, plaquées or.....(paires) 2  
Pour la Société royale du Canada—  
Médaille Flavelle, or, 14 carats (dorée)..... 1  
Médaille Tyrrell, or fin (dorée)..... 1  
Médaille Tory, or, 18 carats (dorée)..... 1  
Médaille Miller, or, 18 carats (dorée)..... 1  
Pour l'Institut canadien des comptables agréés—  
Prix en comptabilité, or, 18 carats..... 1

Pour l'Engineering Institute of Canada—  
Médailles Gzowski, or, 10 carats..... 2  
Médaille Leonard, or, 10 carats..... 1  
Médailles Ross, or, 10 carats..... 2  
Médailles Julian C. Mith, argent, 923.4 de fin..... 2  
Médailles Sir John Kennedy, argent, 923.4 de fin..... 1  
Médailles Gzowski, argent, 925 de fin..... 3  
Pour le Festival d'art dramatique du Canada—  
Prix Massey, bronze de frappe, plaqué or..... 1

Le tableau suivant donne la décomposition de la production de métal fin pendant l'année:

Production		Nombre	Poids brut	Poids du métal fin	Titre moyen
Onces					
Barres d'or fin.....	6,562	2,626,586.450	2,619,813.375	997.4	
Or granulé.....		2,940.570	2,940.276	999.9	
Barres d'argent fin.....	332	356,661.88	356,591.46	999.8	
Argent granulé.....		65,198.48	65,184.97	999.8	
Plaque d'essai d'or.....			.692		
Finition et placage de médailles.....			.298		
Entreposage—Barres d'or.....	764	305,905.343	305,148.657	997.5	
Or granulé.....		91,565.680	91,555.397	999.9	
Poussière vendue—Or.....			7,800.016		
Poussière vendue—Argent.....			49,380.87		
Or—pièce.....			1.053		
Barre à médailles—Or.....			198.191		
Barre à médailles—Argent.....			290.68		

Procédés spéciaux			Poids brut	
	Nombre		Onces	
Refontes.....	56	19,989,770		
«Durcissements».....	5	2,066,530		
			Livres	
			Avoirdupois	
Réduction au chlorure.....		66,457.0		
Poussière.....		75,974.5		

Voici le détail des essais, etc., exécutés au cours de l'année:

Or—			
Affinage.....	4,921		
Or brut.....	26,289		
Épreuves.....	2,639		
Épreuves de séparation.....	693		
Résidus de séparation.....	9,199		
Argent—			
Barres réglementaires.....	21,748		
Contrôle des monnaies.....	3,041		
Épreuves.....	767		
Argent fin.....	2,431		
Divers.....	890		
Divers—			
Pour l'inspecteur en vertu de la Loi sur le poinçonnage.....	25		
des métaux précieux.....	320		
Résidus de monnayage (poussière, etc.).....			

72,963

345

28,877

43,741



Le tableau suivant fait voir la provenance des matières d'or et d'argent en dépôt aux fins de vente à Sa Majesté et d'entreposage en 1965:

<i>De mines et d'affineries du Canada</i>	<i>Vente à Sa Majesté</i>		<i>Entreposage d'or</i>		<i>Total</i>		<i>Total Argent fin</i>
	<i>Poids brut</i>	<i>Or fin</i>	<i>Poids brut</i>	<i>Or fin</i>	<i>Poids brut</i>	<i>Or fin</i>	
	Onces	Onces	Onces	Onces	Onces	Onces	
Ontario.....	2,032,243.409	1,709,297.784	185,171.081	156,436.477	2,217,414.490	1,865,734.261	205,365.74
Québec.....	660,332.250	531,381.129	20,525.180	4,285.647	680,857.430	535,666.776	102,891.47
Colombie-Britannique.....	94,290.560	75,983.463	.....	.....	94,290.560	75,983.463	14,189.07
Manitoba.....	34,532.870	25,132.448	.....	.....	34,532.870	25,132.448	4,443.66
Territoire du Yukon.....	54,994.420	43,564.495	.....	.....	54,994.420	43,564.495	9,284.31
Territoires du Nord-Ouest.....	262,633.930	197,054.381	326,162.170	242,648.261	588,796.100	439,702.642	72,970.35
Alberta.....	245.260	199.729	.....	.....	245.260	199.729	18.80
Nouvelle-Écosse.....	11.040	7.658	.....	.....	11.040	7.658	.08
Total, de mines et d'affineries du Canada.....	3,139,283.739	2,582,621.087	531,858.431	403,370.385	3,671,142.170	2,985,991.472	409,163.48
De bijouterie et divers.....	12,584.282	5,458.875	.....	.....	12,584.282	5,458.875	1,142.77
Dépôts d'argent provenant d'autres mini- stères.....	3,151,868.021	2,588,079.962	531,858.431	403,370.385	3,683,726.452	2,991,450.347	410,306.25
Total.....	31,109.240	.....	.....	.....	31,109.240	.....	19,306.92
Total.....	3,182,977.261	2,588,079.962	531,858.431	403,370.385	3,714,835.692	2,991,450.347	429,613.17

ÉTAT COMPARATIF DES DÉPÔTS D'OR REÇUS—1964 ET 1965

	Nombres de dépôts reçus			Onces brutes			
	1964	1965	Augmentation Diminution	1964	1965	Augmentation Diminution	
Ventes à sa Majesté.....	4,013	3,836	...	177	3,270,054	3,139,284	130,770
Pour entreposage.....	783	645	...	138	677,019	531,858	145,161
Bijouterie et divers.....	196	174	...	22	11,948	12,584	636
Dépôts d'argent provenant d'autres ministères	4,992	4,655	...	337	3,959,021	3,683,726	275,295
Total reçu.....	4,992	4,661	...	331	3,959,021	3,714,835	244,186

	Or, onces de fin			Argent, onces de fin			
	1964	1965	Augmentation Diminution	1964	1965	Augmentation Diminution	
Ventes à sa Majesté.....	2,688,048	2,582,621	.....	105,427	458,026	410,306	47,720
Pour entreposage.....	495,511	403,370	.....	92,141	.....	.....	.....
Bijouterie et divers.....	5,309	5,459	150	.....	.....	.....	.....
Dépôts d'argent provenant d'autres ministères	3,188,868	2,991,450	.....	197,418	458,026	410,306	47,720
Total reçu.....	3,188,868	2,991,450	.....	197,418	458,026	429,613	28,413



photographies). De nombreuses mesures, observations et photographies ont été faites sur des pièces, flans, coins et pièces d'équipement afin d'y déceler des défauts de surface, à l'aide du comparateur optique nouvellement acquis.

Avec la collaboration de la Division du génie, des statistiques et des renseignements extrêmement utiles ont été obtenus grâce à un programme de travail de mise au point accompli dans le traitement thermique des coins de frappe. En outre, plus de 400 tests chimiques et métallurgiques ont été conduits.

## MATIÈRES D'OR ET D'ARGENT

Quatre mille six cent cinquante-cinq dépôts de matières d'or ont été reçus dans l'année de sociétés minières canadiennes et de diverses personnes. En outre, six dépôts de matières d'argent et de médailles ont été reçus du ministère des Affaires des anciens combattants et de la Société de disposition des biens de la Couronne. Voici la composition de ces dépôts :

### Or fin—

253 dépôts pesant 270,536.060 onces de troy d'un titre moyen de 996.435

### Matières brutes—

3,583 dépôts pesant 2,868,747.679 onces de troy d'un titre moyen de 806.292 d'or, 125,513 d'argent, et contenant 6,819 p. 100 de métaux communs

### Rebuts (bijouterie et prothèses dentaires)—

174 dépôts pesant 12,584,282 onces de troy d'un titre moyen de 433.785 d'or et 090.809 d'argent

### Or pour entrepasage—

645 dépôts pesant 531,858.431 onces de troy d'un titre moyen de 758.416 d'or, 092.309 d'argent, et 14.92 p. 100 de métaux communs

### Placage or—

25 médailles, 2 ensembles de reproductions, et 240 écussons du Gouverneur général ont été plaqués or

La plaque d'essai or vendue au cours de l'année comptait .992 onces de troy.

La valeur nette payée aux déposants s'est élevée à 97,522,712.23. En plus, 398,043.816 onces d'or fin leur ont été remises.

Le tableau suivant fait voir l'emploi de l'or fin produit sous diverses formes (barres de commerce, or granulé, poussière, médailles, etc.):

### Onces de fin

6,566 barres de commerce transportées au Compte du Fonds des changes du	ministre des Finances.....	2,621,106.234
Dépôts—or granulé et en barres;	Achat d'or	2,650.515
Ventes d'or fin	Entrepasage d'or	395,393,301
398,043.816		
4.506		
.692		
19.093		
7,800.016		
3,026,974.357		

Ce total accuse une diminution de 146,598.529 onces de fin sur le total corres-  
pondant de l'année 1964.

Plus de 200 échantillons métalliques (coins de frappe pour la plupart) ont été traités, sectionnés et polis en vue d'un examen métallurgique microscopique (avec diennement afin de maintenir la production conforme aux tolérances établies.

portant sur le poids, les diamètres, l'épaisseur et la dureté ont été conduits quoti- programme de travail ont pris fin au printemps 1965. Des milliers de tests physiques contrôle de la qualité, l'achat d'instruments de précision et la mise en œuvre d'un

A la suite de l'organisation en 1964 à la Division d'essai d'une Section du

*Sections du contrôle de la qualité*

conformes aux spécifications de la Monnaie.

des essais, examens et tests quant au poids, diamètre, épaisseur, et le reste, et trouvés

Des échantillons prélevés sur 32 expéditions de flans de nickel ont été soumis à

d'essai), des pièces d'or, de nickel et le reste.

En tout, 141 analyses ont été conduites sur du bronze, du cupro-nickel (pièces

*Analyses diverses*

Une médaille du Festival d'art dramatique du Canada a été plaquée.

*Argentage*

La moyenne de titre de fin des barres régulières était de 798,830 d'argent et

20,117 p. 100 de cuivre.

rejetées

18,862 barres (52,137,103.20 onces de troy) fondues et 48 barres (.25 p. 100)

qui à l'essai ont été rejetées pour cause de défaut de composition :

Voici le nombre de barres de frappe fondues et de ce nombre, celui des barres

titre de fin de 620,610 d'argent.

On comptait six dépôts, pesant 31,109,240 onces de troy, d'une moyenne de

*Matières d'argent*

Dénomination	Titre réglementaire	Titre moyen
1 dollar.....	800.000	799.470
50 cents.....	800.000	799.160
25 cents.....	800.000	799.300
10 cents.....	800.000	799.280

Voici les moyennes du titre de fin de pièces d'argent frappées en 1965 :

pesant 54.83 onces a été laminée et coupée en bandes.

Cinq mille quatre cent cinq onces et demie de cathodes d'or fin ont été laminées pour l'atelier d'électrolyse de la Division de l'affinerie et une barre d'argent solide

été produites aux fins d'essai.

À l'intention de la Division de l'essai et 2,347.03 onces de disques d'argent fin ont

Au cours de l'année, soixante-dix onces de plaques témoins en or ont été laminées

pièces de un cent.

usées représentant 1,387 livres ont été fondues et converties en barres de frappe de

version en barres de frappe du titre réglementaire 800. Des monnaies de bronze

de la circulation, ont été coulés en barres de 2,500 onces aux fins d'essai et de con-

onces de monnaies canadiennes d'argent usées et mutilées qui avaient été retirées

En plus de 2,569 tonnes de barres de frappe produites dans l'année, 90,535

Le courrier du premier jour ouvrable de janvier a apporté des commandes totalisant 2,000,000 d'ensembles de pièces de 1965 soustraites à la circulation. Vu le manque de personnel et l'insuffisance des installations, c'était la toute la production possible. Les commandes reçues les jours suivants ont été retournées aux envoyeurs. Huit cent mille commandes, totalisant environ 4,000,000 d'ensembles, ont ainsi été retournées.

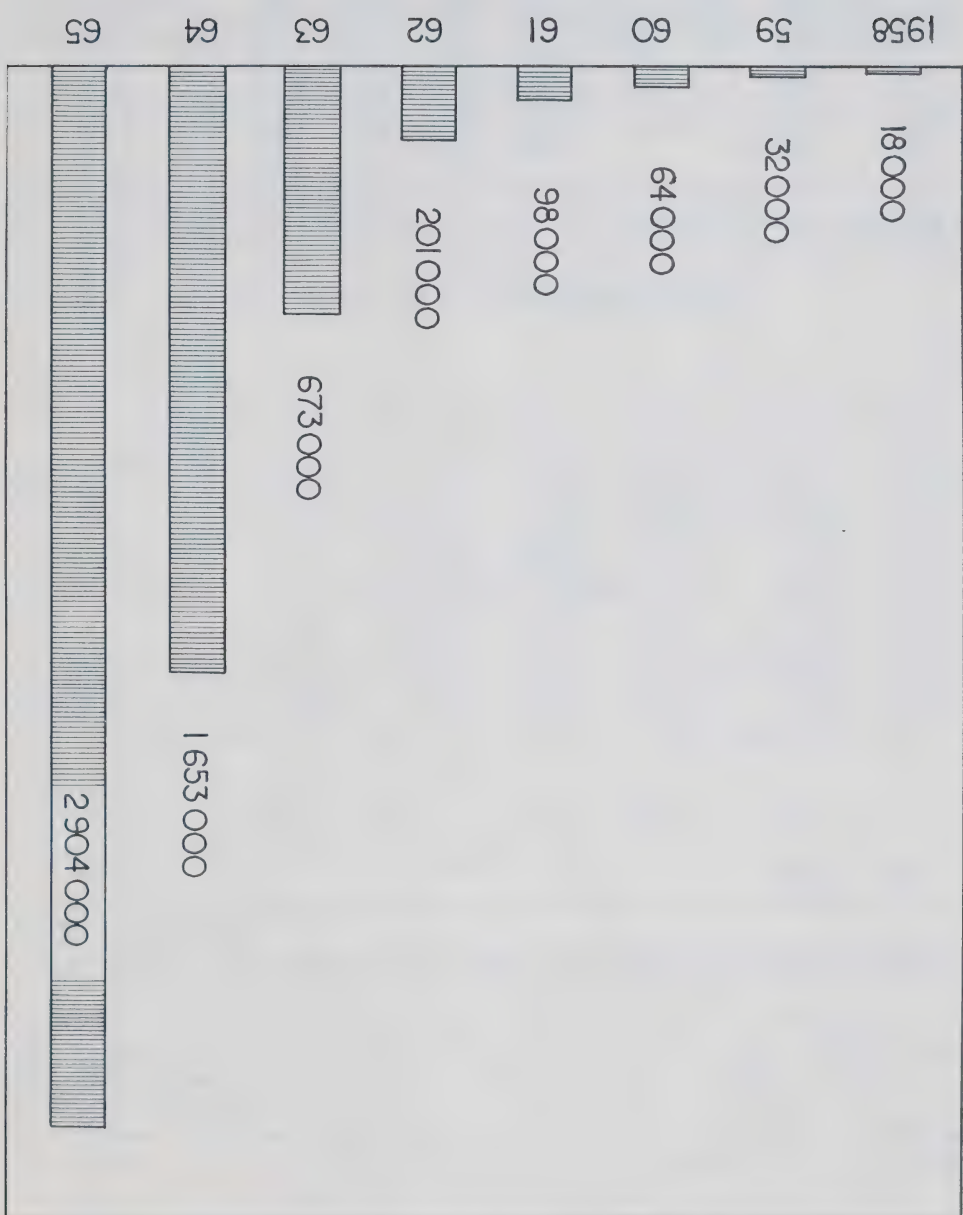
Le 1<sup>er</sup> février 1965, le ministre des Finances annonçait dans un communiqué de presse qu'on accorderait plus d'espace et d'équipement à la Monnaie et que celle-ci allait accepter toutes les commandes d'ensembles de 1965. A la suite de ce communiqué de presse, à peu près un autre million d'ensembles ont été commandés.

Vingt-six mille pieds de plancher de l'immeuble de l'Imprimerie du Gouvernement à Hull ont été affectés à la production d'ensembles de pièces soustraites à la circulation. L'installation dans ces nouveaux locaux a commencé le 25 mai 1965 avec le déménagement de la section du courrier, de l'emballage et de l'expédition. Quatre balanciers de trappe et trois machines à cacheter ont été installées à la fin de juin. De nouveaux employés ont été embauchés et la section est actuellement en mesure de frapper et d'expédier trois millions d'ensembles par année à l'aide d'une seule équipe.

Le tableau suivant récapitule les poids des matières d'argent, de bronze et d'autres métaux employés dans la fonte de barres de trappe, barres laminées, flans découpés et bonnes pièces produites :

<i>Canada</i>		<i>Barres fondues</i>	<i>Barres laminées</i>	<i>Flans découpés</i>	<i>Bonnes pièces produites</i>
		<i>Onces</i>	<i>Onces</i>	<i>Onces</i>	<i>Onces</i>
<i>Valeur</i> <i>Argent, 800 de fin</i>	1 dollar.....	52,137,103.20	48,977,384.27	8,798,704.35	7,551,698.25
	50 cents.....			5,020,408.56	4,671,396.37
	25 cents.....			8,919,028.94	8,516,316.37
	10 cents.....			4,850,201.00	4,327,813.95
	<i>Total, argent (onces troy).....</i>	<i>52,137,103.20</i>	<i>48,977,384.27</i>	<i>27,588,342.85</i>	<i>25,067,224.94</i>
<i>Total, argent (tonnes courtes).....</i>		<i>1,787.5</i>	<i>1,679.2</i>	<i>945.9</i>	<i>859.4</i>
<i>Nickel—</i>		<i>Livres</i>	<i>Livres</i>	<i>Livres</i>	<i>Livres</i>
5 cents.....				b) 881,284.47	845,206.82
Bronze—					
1 cent.....		1,563,206.00	a) 2,071,357.75	2,263,331.44	2,162,375.39
<i>Total, nickel et bronze (tonnes courtes).....</i>		<i>781.6</i>	<i>499.1</i>	<i>1,572.3</i>	<i>1,503.8</i>
<i>Total global (tonnes courtes).....</i>		<i>2,569.1</i>	<i>2,178.3</i>	<i>2,518.2</i>	<i>2,363.2</i>
a) Bandes de bronze achetées				Ne comprend pas a)	
b) Flans de nickel achetées				Ne comprend pas b)	

# ÉMISSIONS DE PIÈCES SOUS-TRAITES À LA CIRCULATION (ENSEMBLES)





PIÈCES, USÉES ET MUTILÉES, RETIRÉES DE LA CIRCULATION

<i>Augmentation nette de la quantité en circulation</i>	<i>Retirées</i>				
		\$	\$		
Pièces d'argent.....	104,097.05	33,375,281.35			
Pièces de nickel—5 cents (mutilées seulement).....	2,253.40	3,875,667.80			
Pièces de tombac—5 cents.....	7.95				
Pièces d'acier—5 cents.....	1,031.15				
Pièces de bronze.....	2,417.26	2,958,708.47			

Répartition des pièces délivrées aux différentes agences de la Banque du Canada et à diverses personnes :

<i>Agence</i>						
	<i>Dollar</i>	<i>50 cents</i>	<i>25 cents</i>	<i>10 cents</i>	<i>5 cents</i>	<i>1 cent</i>
Calgary.....	910,000.00	750,000.00	1,050,000.00	365,000.00	300,000.00	237,000.00
Charlottetown.....	6,000.00	8,000.00	17,000.00	12,000.00	2,100.00	3,480.00
Halifax.....	196,000.00	125,000.00	350,000.00	245,000.00	120,000.00	115,500.00
Montréal.....	1,679,000.00	513,000.00	2,259,000.00	750,000.00	849,000.00	567,420.00
Ottawa.....	770,403.00	305,676.00	764,816.25	587,658.20	334,172.85	70,440.00
Regina.....	301,000.00	178,000.00	515,000.00	315,000.00	127,200.00	120,000.00
Saint-Jean (N.-B.).....	115,000.00	150,000.00	375,000.00	110,000.00	54,000.00	78,600.00
Saint-Jean (T.-N.).....	19,000.00	138,000.00	124,000.00	104,000.00	77,700.00	40,320.00
Toronto.....	2,917,000.00	1,561,000.00	3,175,000.00	1,786,000.00	1,252,200.00	1,175,760.00
Vancouver.....	571,000.00	918,000.00	905,000.00	498,000.00	367,500.00	308,820.00
Winnipeg.....	376,000.00	210,000.00	805,000.00	400,000.00	252,000.00	215,400.00
Diverses personnes.....	2,837,891.00	1,418,784.50	709,392.25	283,757.20	142,048.35	28,385.73
Totaux.....	2,904,684.00	1,452,176.00	726,088.00	290,435.20	145,387.60	29,053.52

Le tableau suivant donne la répartition des pièces soustraites à la circulation, émises à différentes personnes par la Section de la numismatique pour l'année 1965 :

<i>Emises par ensemble</i>						
	<i>Dollar</i>	<i>50 cents</i>	<i>25 cents</i>	<i>10 cents</i>	<i>5 cents</i>	<i>1 cent</i>
Emises par ensemble.....	2,904,352.00	1,452,176.00	726,088.00	290,435.20	145,217.60	29,043.52
Emises séparément.....	332.00				170.00	10.00
Totaux.....	2,904,684.00	1,452,176.00	726,088.00	290,435.20	145,387.60	29,053.52

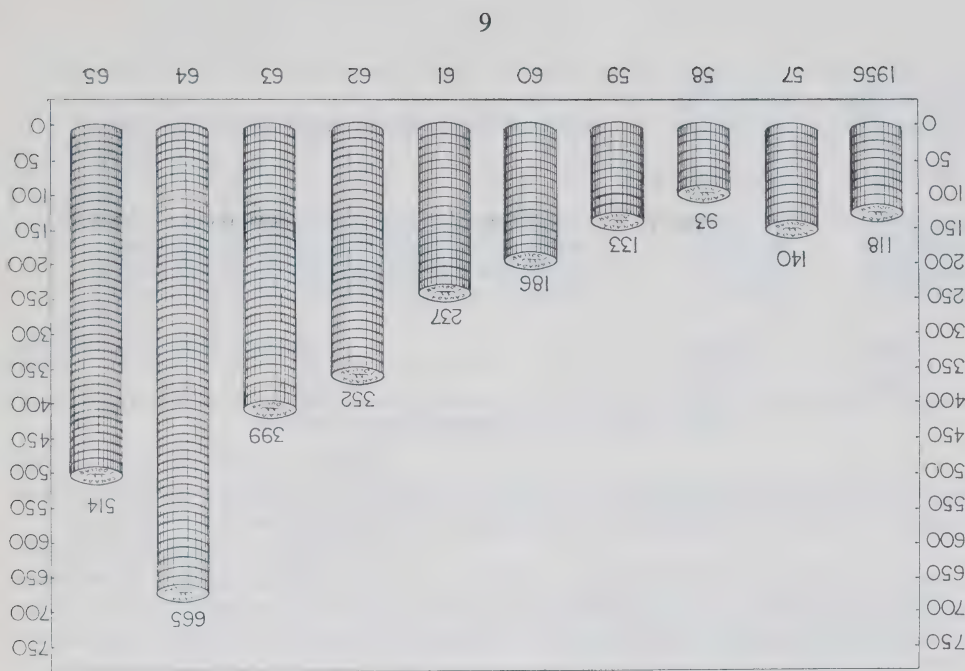


Les pièces de monnaie frappées en 1965, selon le présent tableau, représentent 699 tonnes d'argent, 1,240 tonnes de cuivre, 424 tonnes de nickel et 22 tonnes de zinc et d'étain.

PIÈCES ÉMISES EN 1964 ET 1965

Canada		1964		1965	
Valeur		\$	\$	\$	\$
<i>Pièces d'argent</i>					
1 dollar.	7,339,269.00	10,698,294.00			
50 cents.	4,672,271.50	6,275,460.50			
25 cents.	9,194,387.75	11,049,208.50			
10 cents.	4,947,225.60	5,456,415.40			
<i>Pièces de nickel</i>					
Total, pièces d'argent	26,153,153.85	33,479,378.40			
5 cents.	3,895,746.45	3,877,921.20			
<i>Pièces de bronze</i>					
1 cent.	4,626,962.66	2,961,125.73			
Total.	34,675,862.96	40,318,425.33			
<i>Représentant</i>					
Total.		643,544,814	495,681,200		
		Nombre de pièces			
Total.					

PIÈCES PRODUITES  
(MILLIONS DE PIÈCES)



# MONNAIE ROYALE CANADIENNE

L'honorable  
ministre des Finances  
Ottawa.  
Monsieur le ministre,

J'ai l'honneur de vous présenter le rapport ci-joint sur l'activité de la Monnaie royale canadienne pour l'année civile 1965.

## FRAPPE DE MONNAIE

Pour la première fois depuis 1958, la demande de pièces de monnaie a fléchi par rapport à l'année précédente. La production en 1965 de 514,000,000 de pièces constitue une diminution de près de 23 p. 100 sur le chiffre-record de 665,000,000 de pièces atteint en 1964. Signe avant-coureur de ce renversement de tendance, les commandes à remplir totalisaient à la fin de 1964, 82,000,000 de pièces, alors qu'à la période correspondante de 1965, il ne restait à remplir que des commandes totalisant moins d'un demi-million de pièces.

Il est intéressant de signaler qu'en 1965 la production régulière de pièces de monnaie n'a pas exigé de travail en surtemps. Même si la production totale a accusé une diminution, en réalité, toutes les valeurs, à l'exception de celle de un cent, ont présenté des augmentations. Il nous a été possible d'acheter à l'extérieur des bandes de cuivre pour parer à la demande excédentaire de 1964. Toutefois, tel n'a pas été le cas en 1965 pour ce qui est de l'argent. Nos installations de fonte, de laminage et de recuit ont eu de la peine à répondre aux besoins supplémentaires d'argent. Le pourcentage d'augmentation de pièces d'argent, par valeur, a été: 1 dollar, 3.5 p. 100; 50 cents, 3.3 p. 100; 25 cents, 8.3 p. 100; et 10 cents, 7.4 p. 100 de plus que les sommets atteints par la production en 1964. En outre, la production de pièces de cinq cents a augmenté de 6.8 p. 100.

Par ailleurs, quant à la pièce de un cent, on a noté une diminution de 484,000,000 à 304,000,000 d'unités.

La décision du Ministre de faire accepter par la Monnaie toutes les commandes d'ensembles de pièces de 1965 soustraites à la circulation a entraîné l'affectation de trois équipes, et de temps supplémentaire, à cet aspect de la production. Toutes les commandes ont été remplies, ce qui a permis un nouveau record de production de près de trois millions d'ensembles.

Voici des états comparatifs de la production et de l'émission de pièces en 1964 et 1965, selon la valeur, et un graphique portant sur la frappe des pièces de monnaie au cours des dix dernières années:

## PRODUCTION DE PIÈCES EN 1964 ET 1965

Canada		1964		1965	
Valeur—Composition métallique		Pièces		Pièces	
<i>Argent</i>					
1 dollar—800 parties d'argent, 200 parties de cuivre.....		7,296,832		10,768,569	
50 cents—800 parties d'argent, 200 parties de cuivre.....		9,377,676		12,629,974	
25 cents—800 parties d'argent, 200 parties de cuivre.....		36,479,343		44,708,869	
10 cents—800 parties d'argent, 200 parties de cuivre.....		49,518,549		56,965,392	
<i>Nickel</i>					
5 cents—nickel pur.....		78,075,068		84,876,018	
<i>Bronze</i>					
1 cent—98 p. 100 de cuivre, 2 p. 100 d'étain et de zinc.....		484,655,322		304,441,082	
		665,402,790		514,389,904	

CORRECTION

Le deuxième paragraphe sous l'en-tête FRAIPE DE LA MONNAIE, qui traite de l'augmentation de pourcentage, doit se lire comme il suit:

"L'augmentation de pourcentage, par coupure, de la frappe de la monnaie d'argent fut telle qu'il suit: 1 dollar, 47.6%; 50 cents, 34.7%; 25 cents, 22.6%; 10 cents, 15.0%, à comparer avec la production pour l'année 1964. De plus, la production des pièces de cinq cents a augmenté de 8.7%."

Publication autorisée par l'honorable Mitchell W. Sharp,  
Ministre des Finances

*pour l'année civile*  
*1965*

DIRECTEUR DE LA MONNAIE  
ROYALE CANADIENNE  
*du*

RAPPORT

CANADA  
MINISTÈRE DES FINANCES







Publié par ordre de l'honorable Mitchell W. Sharp, ministre des Finances

RAPPORT  
DU DIRECTEUR  
DE LA MONNAIE  
ROYALE  
CANADIENNE

Concernant l'année civile 1965

MINISTÈRE DES FINANCES



688





JUL 13 1986



